



सत्यमेव जयते

Government of West Bengal

Agriculture, Forests and Fisheries Department

**Annual Progress Report on
Forest Administration in the
Presidency of Bengal**

For the Year

1945-46

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FROM SHRI S. CHAUDHURI, I.F.S.,

Director of Forests, West Bengal,

TO THE SECRETARY TO THE GOVERNMENT OF WEST BENGAL,
AGRICULTURE, FORESTS AND FISHERIES DEPARTMENT,
FORESTS BRANCH.

Calcutta the 22nd July 1949.

I beg to submit the Annual Progress Report of Forest Administration in the Presidency of Bengal for the year 1945-46.

S. CHAUDHURI,

Director of Forests, West Bengal.

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INTRODUCTORY

This will be the first report in full volume after the war.

2. The publication of this report has been delayed very considerably for works in connection with Partition.

3. The most important event during the year under report has been the opening of the West Bengal Division for the control of the management of the existing private forests and the introduction of afforestation works in West Bengal. Bengal even before the partition was very insecure as regards the supply of her forest produce and the position of West Bengal as constituted now has become even worse. The sufferings of the people of West Bengal from the ravages of floods, erosion, famines and pestilences are well known and the question of afforestation and preservation of her existing forests are of paramount importance. It is gratifying to be able to record that the position has at last been appreciated, and a Bill was introduced in the Bengal Legislative Assembly in 1944 which has during the year under report been made into a Governor's Act.

4. The previous year's figures are given in brackets for comparison throughout the report.

S. CHAUDHURI,

Director of Forests, West Bengal.

Annual Progress Report on Forest Administration in the Presidency of Bengal for the year 1945-46

CHAPTER I—CONSTITUTION OF STATE FORESTS.

1. Alteration in Areas (Form No. 7).

1. **Reserved Forests.**—The total area of Reserved Forests at the end of the year was 6,937 (6,935) square miles.

(a) In the Darjeeling Division, a plot of land measuring 0·94 acre which was transferred to the Works and Buildings Directorate reverted to this Directorate and 1·28 acres of Reserved Forests land in the Tista Valley Range was temporarily transferred to the Works and Buildings Directorate under notification No. 225For., dated 7th March 1946.

(b) In the Kalimpong Division, a notification under section 4 of the Indian Forest Act, for reservation of 344·59 acres of land was issued in Government order No. 7510For., dated 18th July 1942. The issue of the final notification is pending.

(c) In the Chittagong Hill Tracts Division an area of 2 square miles was added under notification No. 6184S., dated 12th December 1945.

(d) An area of 9 acres was disafforested in the Chittagong Division under notification No. 14207For., dated 16th July 1945.

2. **Protected Forests.**—The area stood at 206 (206) square miles.

3. **Unclassed State Forests.**—There was no change.

4. **Leased lands.**—The area remained unaltered.

5. The total area of different classes of forests at the end of the year was as follows:—

Class of forests.	Square miles.		Percentage of the total area of the province, viz., 78,708 square miles.	
Reserved Forests	6,937	(6,935)	8·80	(8·80)
Protected Forests	206	(206)	0·26	(0·26)
Unclassed State Forests ..	3,002	(3,002)	4·58	(4·58)
Leased Land	1,489	(1,489)	1·89	(1·89)
	<hr/> 12,234 (12,232) <hr/>		<hr/> 15·53 (15·53) <hr/>	

2. Forest Settlement (Form No. 8).

6. The settlement of 0·54 square miles of Dolepchen Ridge in the Kalimpong Division remained pending at the close of the year. In connection with the Development Scheme No. 138 Government in their memorandum No. 413For., dated 25th April 1946, decided that an area of 2,000

acres of land at Bethuadahari in Nadia should be acquired and brought under plantation, only 24.61 acres were actually acquired at a cost of Rs. 5,144 and brought under plantation during the year as per notification No. 1934L.A., dated 18th March 1946.

3. Demarcation (Form No. 9).

7. The total length of boundaries stood at 8,340 (8,340) miles, 1,796 (1,610) miles of the existing boundaries were repaired at a cost of Rs. 12,118 (Rs. 11,092).

4. Forest Surveys (Form No. 10).

8. No special forest surveys were undertaken by the Survey of India. The special scheme for the survey of the Atia Forests and the Squatters' land in the Dacca-Mymensingh Division was undertaken. Local surveys by the Forest staff were carried out as usual.

CHAPTER II—MANAGEMENT OF STATE FORESTS.

1. Regulation of Management.

(a) Preparation and control of Regular Working Plans (Form No. 11).

9. The prescription of the Working Plan of the Kalimpong Division lapsed. A five-year working scheme for the Kalimpong Division and a ten-year working scheme for the Chittagong Hill Tracts Division were prepared by respective Divisional Forest Officers.

The draft prescriptions of the revised plans of Jalpaiguri and Buxa Divisions were still being followed. Plans of these two divisions could not be submitted to the Government for sanction owing to shortage of staff.

The compilation of the working schemes for the Dacca-Mymensingh Division was completed and was awaiting submission to Government for sanction.

(b) Preliminary Working Plan Report.

10. The preliminary working plan Report for the Kalimpong Division was prepared and submitted during the year.

2. Communications and Buildings (Form No. 12).

(a) Roads and Bridges.

11. A sum of Rs. 56,882 (Rs. 27,843) was spent on new construction of roads, paths and bridges.

The total expenditure on repairs to roads, paths and bridges was Rs. 95,310 (Rs. 98,390).



Suspension bridge at Nazeok.

12. The total lengths of the roads and paths maintained at the end of the year were:—

		Cart roads. Miles.	Bridle paths. Miles.	Other paths. Miles.
Northern Circle	..	607 (607)	612 (612)	104 (104)
Southern Circle	..	27 (12)	455 (384)	283 (320)
		<hr/> 634 (619)	<hr/> 1,067 (996)	<hr/> 387 (424)

(b) *Buildings.*

13. Expenditure incurred on construction of new buildings and repairs to old buildings amounted to Rs. 88,704 (Rs. 27,465) and Rs. 1,15,689 (Rs. 84,956) respectively.

(c) *Other works.*



House built with local wood and bamboos—Subdivisional Officer's house at Mainimukh.

14. The amount spent on new works was Rs. 5,611 (Rs. 7,096). A sum of Rs. 27,573 (Rs. 22,796) was spent on repairs and maintenance of wells, waterpipes, fencings, drains, upkeep of compounds, etc.

3. Protection of Forests.

(a) *General Protection (Form No. 13).—Breaches of Forest Rules.*

15. The total number of forest offences was 8,513 (6,650) as compared with 5,848, the average of the past three years. The increase was due to greater activities of the staff.

16. The following is a comparative statement of forest offences taken into the court, dealt with by the Divisional Forest Officers, undetected and the compensation realised for offences compounded under section 68 of the Indian Forest Act (Act XVI) of 1927:—

Classes of offences.	Number of cases reported during 1945-46.				Number of cases reported during 1944-45.	Average of the preceding 3 years ending 1944-45.	Difference Columns 6 and 7.	Compensation realised.	Number of persons involved.	Average to each man.
	Taken into court.	Dealt with by D. F. O's.	Undetected cases.	Total cases.						
1	2	3	4	5	6	7	8	9	10	11
										Rs. a. p
Injury to forests by fire	..	2	77	79	56	33	+46	..	..	..
Unauthorised felling	192	2,188	167	2,547	1,649	1,843	+704	..	..	..
Unauthorised grazing	3	680	..	683	555	720	-37	..	..	..
Other offences	146	5,053	5	5,204	4,390	3,252	+1,952	..	..	..
Total	..	341	7,923	249	8,513	6,050	+2,065	63,814	11,999	5 5 1

17. The percentage of increase as compared with the average of the preceding three years was 31.3. A prolonged spell of dry weather was responsible for the increase under "Injury to forest by fire". The decrease under "unauthorised grazing" was due to stricter control by the staff. The increase under other heads was mainly due to the reorganisation and strengthening of boundary patrols and greater vigilance on the part of the subordinate staff.

18. Five thousand two hundred and four (4,390) cases under "Other offences" consisted of 626 for "Illicit removal of produce", 209 for "Violation of conditions laid down in permits", 66 for "illicit hunting and shooting", 67 for "Illicit fishing" and 4,236 for "Miscellaneous".

19. The number of cases disposed of during the year was 8,387 including 448 cases pending from the previous year. 325 cases remained undisposed of during the year. The total number of cases taken into the court was 476 including 135 pending from previous year. Of these 221 cases involving 387 persons resulted in conviction and 244 cases remained pending at the close of the year. Eleven cases involving 18 persons resulted in acquittals.

20. Under section 68 of the Indian Forest Act, 1927, the Divisional Forest Officers compounded 8,148 (6,222) cases involving 11,999 (9,942) persons and realised Rs. 63,814 (Rs. 49,508) as compensation and let off 7 (18) cases involving 30 (39) persons with warning. 81 (136) cases remained pending at the close of the year.

(b) *Fire Protection (Form Nos. 14 and 15).*

21. Special measures for protection from fire were undertaken in 406,002 (398,047) acres, out of which 11,692 (2,095) acres were burnt. The percentage of success was 97.1 (99.5). The expenditure incurred in this connection was Rs. 12,744 (Rs. 11,074).

Nepal and Sikkim portions of the frontier fire lines were cleared as usual by the respective Durbars.

The Darjeeling-Himalayan Railway Co. cleared the fire traces above Tista Valley railway lines from Geillekhola to Rieng. The much desired scheme for spark arrester for the Darjeeling-Himalayan Railway engines has not yet been given effect to.

(c) *Regulation of grazing by cattle (Form Nos. 16 and 17).*

22. Six thousand one hundred and thirty-four (6,132) square miles of forests were entirely closed to grazing. 717 (717) square miles were open to grazing of all animals throughout the year, 165 (165) square miles to grazing of non-browsers only and 127 (127) square miles to non-browsers only for part of the year.

23. Three thousand and fifty-nine cattle were impounded during the year under report.

24. Number of cattle stall-fed in the Darjeeling and Kurseong Divisions was 299 (247). There were 10 (10) Government *bathans* in the Darjeeling Division used for stall-feeding. In the Buxa Division privileged grazing was permitted in closed areas to milch and plough cattle belonging to Forest villagers and to draught cattle engaged by the timber contractors in extraction of timber.

Provision for controlled rotational grazing for the draught animals of the adjacent Tea Estates and Jote lands has been made in the revised Working Plans for the Jalpaiguri and Buxa Divisions.

(d) *Injuries from natural causes and protective measures undertaken.*

25. (I) *Insects*.—50 per cent. of the champ plantations at Kundong in the Kurseong Division were damaged by *Urostylis punctigera*.

(II) *Borers and defoliators*.—The *sal* borer did a good deal of damage to the plantations in Bagdogra, Sevoke and Sukna Ranges of the Kurseong Division. In the Buxa Division, damage by *sal* borer (*Hoplocerambyx spinicornis*) was noticed mainly on wind fallen green *sal* trees. Borer attack was also noticed in the young teak (*Tectona grandis*) plantations in the Rydak Range.

Teak plantations in the Kassalong Range of the Chittagong Hill Tracts Division was attacked by defoliator but with little effect on their growth.

(III) *Fungi*.—A few teak trees in the plantations of the Sitapahar Range, Chittagong Hill Tracts Division, were found attacked with fungus.

(IV) *Loranthus*.—The pest continued its damage in old blocks of *sal* plantations of both Jalpaiguri and Buxa Divisions. Arrangements were made to remove the *Loranthus* borne plants at frequent intervals. Damage by *Loranthus* was also noticed in *gamhar* plantations in Chittagong Hill Tracts Division. Lopping of branches and felling of infected trees were continued and as a result 40 acres of *gamhar* plantations were clear-felled during the year.

(V) *Weeds*.—There had been a progressive invasion of blanks and partially open areas by *Assamlata* (*Eupatorium spp.*) in the Buxa Division. Normal weeding was carried out in all plantations.

(VI) *Climbers*.—Climbers caused considerable damage in the high forests of the Jalpaiguri and Buxa Divisions. They were cut as far as funds permitted.

(VII) *Wild animals*.—Deer, bison, monkey, elephants and wild pigs caused as usual sporadic damage to plantations and bamboo areas.

(VIII) *Earthquake*.—None reported.

(IX) *Land-slips*.—The most serious land-slips occurred at Paglajhora and Dhobijhora in Little Rangit block of the Tonglu Range on the Manibhanjang-Batasi Cart Road: the roadway was completely washed away and thereby cart traffic was stopped. Another serious land-slip occurred in Audhara block in the Kurseong Division and as a result, the railway line was blocked for a considerable time. Minor land-slips occurred in many places both in the Darjeeling and Kalimpong Divisions. Check dams were repaired in affected areas and cuttings of *Kikuya* grass were planted as a protective measure.

In the Kalimpong Division various protective works designed to stabilise the land were undertaken. They consisted of (i) construction of revetment walls, cross drains, wooden fascines, (ii) edging of slopes, terracing, plugging cracks and crevasses and (iii) diverting natural drainage. In addition to these, planting and sowing were also taken up during the year under report.

(X) *Wind and cyclone*.—Nothing to report.

(XI) *Frost and snow*.—In the Hill Forests of the Darjeeling and Kalimpong Divisions, frost did some damage to young seedlings, but the damage was not so serious.

(XII) *Erosion*.—In the Kurseong Division, the Tista river eroded a considerable portion of Samardanga Block in the Sevoke Range. The total area affected was estimated to be 140 acres. Lohagarh and Mechi blocks in the Pankhabari Range of the same Division were partly affected by the Mechi river. The area affected was 800 acres.

In the Jalpaiguri Division, the Tista river continued eroding the Chengmari Forest causing considerable damage to the immature *sal* crops.

Both the Daina and Jaldacca rivers continued to change their courses. The damage was not so serious.

Protective measures were taken on the bank of Chel river. The estimate of cost and specification were prepared by the Executive Engineer, Irrigation Directorate. The work done in the months of April and May 1945 was comparatively satisfactory and the cost was Rs. 5,989 only. More protected measures are necessary to avoid further damage.

The Moortee river damaged beat house and plantations. The beat house had to be shifted from Batabari to Nagrakata.

In the Buxa Division, the Chaitanyajhora was threatening damage to Rajbhatkhawa Forest Dispensary and subordinates' quarters on its bank. Protective measures were undertaken to prevent damage to these buildings. Damage to *sal* and *kukat* trees in Jainti Block by the erosion and overflowing of the Jainti river continued though to a lesser degree than in the previous years. The Malangi and Bania rivers eroded their banks badly in some places. In the North Barojhar forests, the Toorsa river broke into Malangi, through which passed a large volume of water cutting the banks and eroding

a considerable portion of the Saudamini Tea Estates. There was also erosion along the eastern bank of the Toorsa river and the tract lying between the Toorsa and the Malangi rivers in Barojhar Forests underwent some physical changes—some of the original swamps in the Rhino Sanctuary were silted up and new depressions were formed.

(XIII) *Drought*.—No damage was reported.

(XIV) *Hail*.—Nothing serious to report.

CHAPTER III—SILVICULTURE.

I.—System of management.

26. The table below shows the various silvicultural systems now in force:—

Silvicultural systems.	Area in sq. mile.	Percentage of the total area.
(1) Clear-felling followed by artificial re-stocking ..	651	9.1
(2) Simple coppice	143	2.0
(3) Selection and improvement fellings	4,270	59.9
(4) Protection forests with no regular prescriptions ..	2,059	29.0
	<hr/> 7,123	<hr/> 100.0

The entire area of Chittagong Division which is under no regular working plan has been included against "Protection forests with no regular prescriptions".

II.—Afforestation and regeneration (Form No. 18).

27. Afforestation work was undertaken in the Kalimpong Division in two areas, viz., (i) Development Area Protected Forests comprising an area of 173.01 acres, scattered in 16 small plots, and (ii) Dalapchen Slip Reserve which is a compact area of 188.18 acres. The details of work carried out in each area are given below:—

(i) *Development Area Protected Forests*.—Apart from protective works, the raising of plantations by sowing and transplanting was carried out with fast growing species, e.g., *utis* (*Alnus nepalensis*), *saur* (*Betula spp.*), cherry, *malatta* (*Macaranga spp.*), *Erythrina spp.*, etc. So far an area of 68.67 acres was planted up, including 7.13 acres taken up during the year under report. The total cost of raising new plantations over 7.13 acres and maintaining old areas by filling up vacancies, raising seedlings in nurseries and pay of malis was Rs. 2,026.

Protective works, such as construction of revetment walls, check-dams, drains, terracing, etc., were undertaken at a cost of Rs. 1,031.

(ii) *Dalapchen Slip Reserve*.—The entire area was planted up previously, but due to slips, erosion, and subsidence of the hill-sides failures occurred. In order to fill up vacancies a nursery is being maintained to raise seedlings for transplanting. Cleaning and filling up vacancies were undertaken during the year and the cost incurred was Rs. 1,908, including pay of mali. Fast growing species, such as *phaledo* (*Erythrina indica*), *Poinsettia*, *utis* (*Alnus nepalensis*), *panisaj* (*Terminalia myriocarpa*), *malatta* (*Macaranga spp.*), cherry, *saur* (*Betula spp.*) and bamboos, were tried. Seeds of *lampati* (*Duabanga sonneratioides*) were also broadcast along the sides of jhoras. The result so far is satisfactory.

Protective works were also undertaken and expenditure incurred was Rs. 2,077 apart from the maintenance of boundaries and fencing. "

In the Southern Circle, an extensive scheme for the establishment of a plantation felling series in the various parts of the Chittagong Division was prepared as part of the Post-War Reconstruction Scheme No. 139. Regeneration under clear-felling with *taungya*-system was continued in the Chittagong Hill Tracts Division. Teak and *jarul* were the main species planted. Regeneration of *sal* in the Dacca-Mymensingh Division was satisfactory and was helped by departmental early burning.

An area of 24.61 acres was afforested in the Nadia Division.

III.—Establishment of Reproduction (Form No. 18).

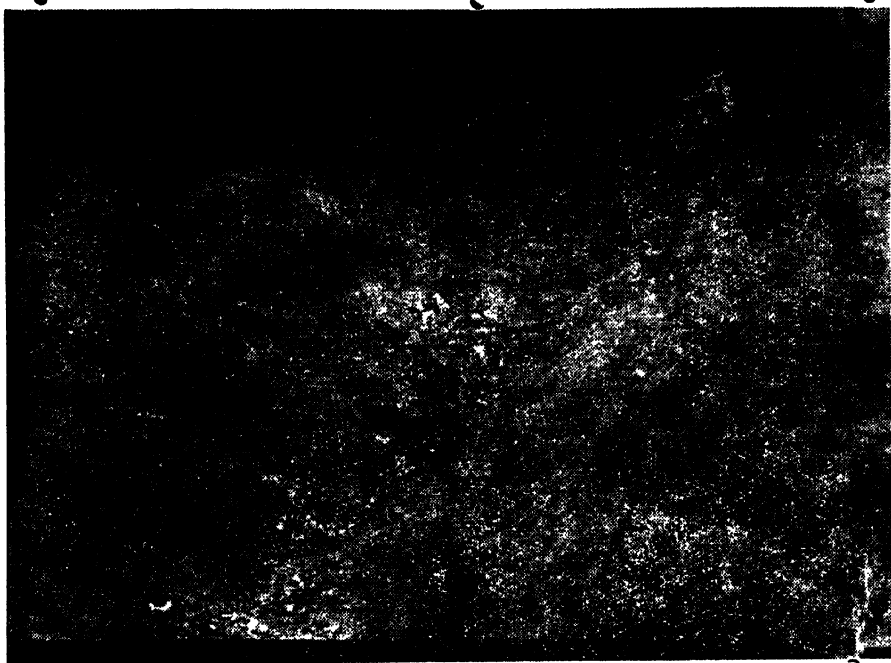
(a) *Mainly natural.*



Plantation.

28. Natural reproduction of *sal* (*Shorea robusta*) was noticed in the Forests of the Tondur Range of the Jalpaiguri Division, but the result was unsatisfactory except in the high forests of Khariarbandar. Progress of natural regeneration in fuel coupes in Buxa Division was satisfactory.

Natural reproduction in the areas felled in the Sunderbans Division during the year was on the whole satisfactory. In the Ramgarh-Sitakundu Range of the Chittagong Division natural reproduction of teak was noticed under the parent trees. This was probably due to the accidental burning of the surface soil. In the Chittagong Hill Tracts Division two natural regeneration plots of 100 and 2 acres, respectively, were opened. In the Dacca-Mymensingh Division an area of 2,305 acres was clear-felled and regenerated under the simple coppice system.

(b) *Mainly artificial.*

Jungle view.

29. Clear-felling followed by artificial regeneration in conjunction with *taungya* was the main system of restocking in the Northern Circle.

In the Southern Circle, artificial regeneration was carried out in the Chittagong and Chittagong Hill Tracts Divisions. Only 2,785 acres of new plantations were added during the year in both the Northern and Southern Circles. In view of the acute shortage of fuel in the Contai subdivision of the Midnapore district, experimental plantations have been decided upon. A nursery has been opened at Contai and suitable areas are being acquired for experimental plantation works at Digha on the seashore.

III.—Tending.

30. Climber-cutting, cleaning, jungle clearing, weeding, thinnings and general upkeep of the existing plantations were carried out as far as funds and labour permitted.

31. **Cost.**—The cost of afforestation and regeneration including the upkeep of the existing plantations was Rs. 1,44,009 (Rs. 1,29,028).

32. **General.**—This was a good seed year for all species. Natural reproduction of *sissoo* (*Dalbergia Sissoo*) and *khair* (*Acacia catachu*) in riverain areas continued to be very satisfactory.

CHAPTER IV—EXPLOITATION.

33. **Outturn of Forest Produce (Forms 19 and 20).**—The following statement shows the total outturn of Forest produce:—

Particulars.	1945-46.	1944-45.
Timber (in thousands of c.ft.)	13,437	19,425
Fuel (in thousands of c.ft.)	28,404	34,580
<i>Minor Forest Produce.</i>		
Bamboos (Nos. in thousands)	39,310	42,316
Golpatta (in thousands of mds.)	3,028	2,305
Bamboos (value)	Rs. 1,96,351	Rs. 2,12,967
Golpatta (value)	Rs. 1,81,284	Rs. 1,45,608
Other types (value)	Rs. 3,06,081	Rs. 2,51,209

The decrease under timber, fuel and bamboos was due to less demands owing to the cessation of the war.

The increase under *golpatta* was due to better facilities for transport which was denied during the war.

The increase under other types of the minor produce was mainly due to the adjustment of royalty on elephants caught in Khedda during the year and the sale of the calf of a departmental elephant.

34. **Extraction by departmental agency (Forms 21 and 22).**—(1) *Timber.*—The following statement shows the outturn of timber extracted departmentally during the year and the approximate financial results, neglecting outstandings and end of the year adjustment:—

Particulars.	Northern Circle.	Southern Circle.	Total for Bengal.	
			1945-46.	1944-45.
	C.ft.	C.ft.	C.ft.	C.ft.
(1) Cut or extracted or otherwise received into departmental stock	964,251	830,598	1,794,849	2,638,905
(2) Corresponding expenditure on departmental Extraction (Aia)	Rs. 7,26,608	Rs. 4,16,282	Rs. 11,42,890	Rs. 16,73,554
(3) Approximate average direct cost per c.ft.	As. p. 12 6	As. p. 8 2	As. p. 10 2·3	As. p. 10 1·8
	C.ft.	C.ft.	C.ft.	C.ft.
(4) Sold or otherwise disposed of ..	1,184,704	1,149,449	2,334,153	2,897,906
(5) Value of sales of departmentally extracted timber (Form 26, RIa)	Rs. 16,43,503	Rs. 12,36,462	Rs. 28,79,965	Rs. 37,17,442
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
(6) Approximate average price per c.ft.	1 6 2·4	1 1 1·5	1 3 8·9	1 4 6·3
(7) Average gross surplus per c.ft. ..	0 10 1·8	0 9 1·3	0 9 6·6	0 10 4·5

(2) **Fuel, bamboos and minor produce.**—The following table shows the results on the year working:—

Particulars.	Northern Circle.	Southern Circle.	Total for Bengal.	
			1945-46.	1944-45.
	Rs.	Rs.	Rs.	Rs.
(1) Value of sales of fuel, bamboos and minor produce extracted departmentally (Form No. 26)	2,00,180	26,670	2,26,850	1,68,617
(2) Expenditure on departmental extraction of fuel and minor produce	1,30,185	23,255	1,53,440	1,84,044
(3) Not gross surplus or deficit ..	+69,995	+3,415	+73,410	—15,427

Thirteen elephant tusks were collected during the year in the Chittagong Division. Eleven tusks including 5 of the preceding year were sold for Rs. 573 and 7 tusks remained in stock at the close of the year.

35. Siliguri Saw-mill.—The working of the mill during the year under report was satisfactory in that it resulted in a net profit of Rs. 2,55,878-10-8 against Rs. 1,40,036-1-6 in 1944-45, Rs. 1,00,467-0-7 in 1943-44, Rs. 25,976-5-2 in 1942-43 and Rs. 19,304-9-3 in 1941-42. This unprecedented increase in profit resulted from—

- (a) a heavy increase in production,
- (b) consequent reduction in the cost of production from 12.79 annas per cubic foot in 1944-45 to 8.54 annas per cubic foot in 1945-46, and
- (c) efficient management. The mill was run most economically and practically without any breakdown. Three hundred thousand one hundred and forty cubic feet of *sal* (*Shorea robusta*) and miscellaneous species were sawn against 181,104 cubic feet in 1944-45.

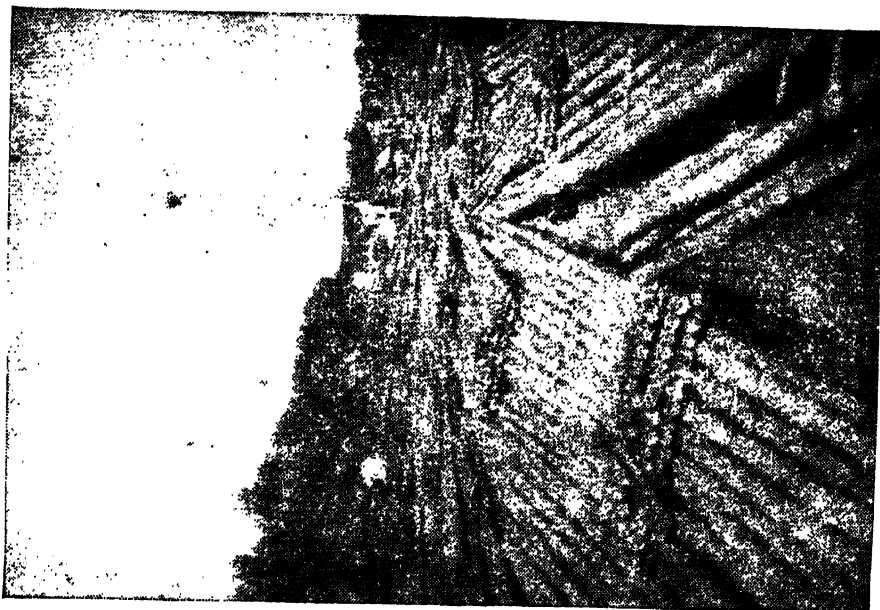
The percentage of wastage was 23.92 against 13.85 in 1944-45. The utilisation of a huge quantity of defective logs of the previous year's stock and sawing of timber to definite sizes according to orders received were responsible for the increase in the rate of wastage.

The total outturn of sawn timber was 300,140 cubic feet (181,104 cubic feet) and the total quantity sold amounted to 284,648 cubic feet (161,668 cubic feet.). The closing balance of sawn timber in stock on 31st March 1946 stood at 41,569 cubic feet (25,495 cubic feet).

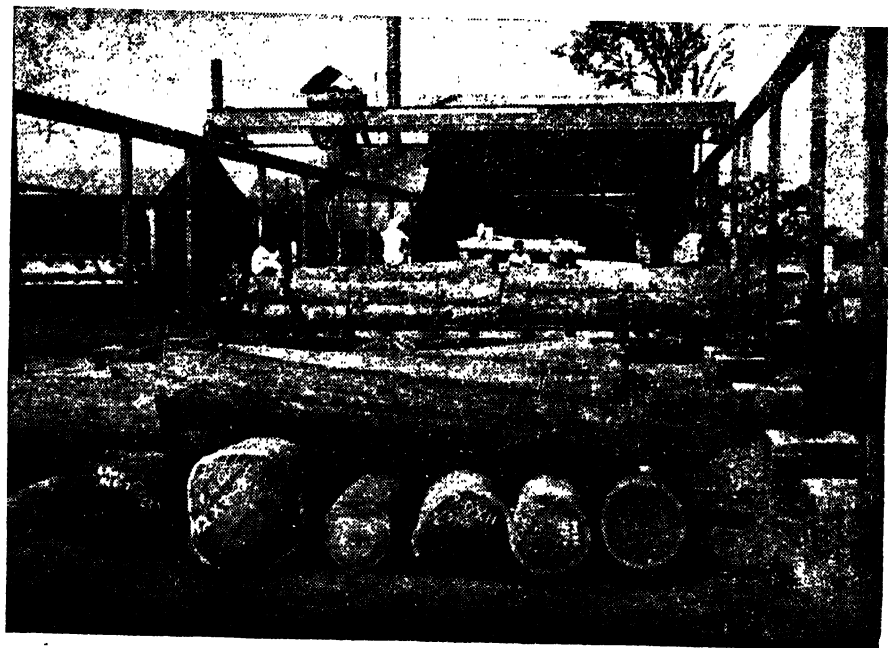


Sawn timber at Siliguri Saw-mill.

36. Log Depots.—The log depots have been brought under the direct control of the Siliguri Saw-mill subdivision and all expenditure incurred thereon incorporated in the saw-mill subdivisional accounts, the maintenance of a separate profits and loss account for the depots being considered unnecessary.



Rafting down bamboos from Maini Head water Reserve through Maini River.

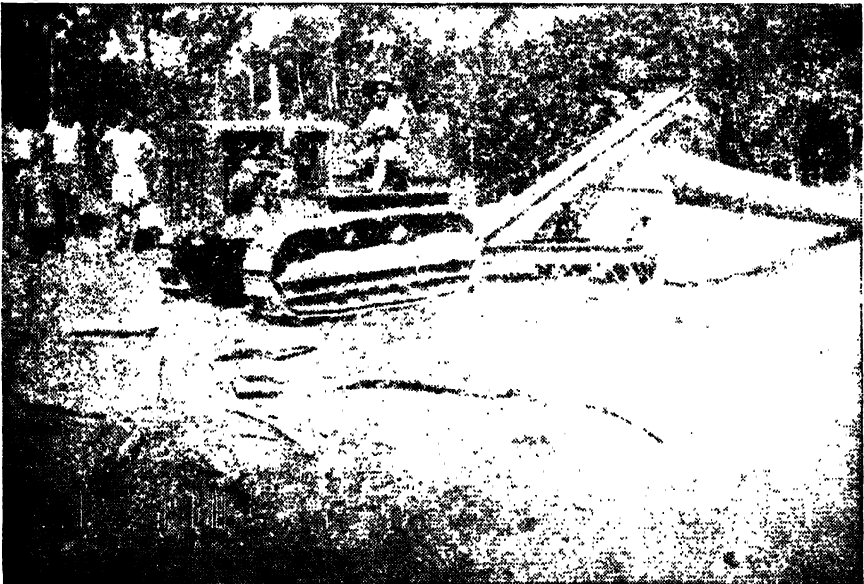


Log Depot at Siliguri.

37. Departmental operations in Chittagong Hill Tracts.—Departmental extraction of timber was continued on a large scale in the Kassalong Range of the Chittagong Hill Tracts Division and timber was rafted down to the Government Timber Depot at Chittagong for disposal. Thirty-two thousand one hundred and thirty cubic feet of timber was extracted by tractor in the Chittagong Hill Tracts from forest to river bank depots during the year. For want of spare parts, the old tractor remained idle during the whole year.

Six thousand eight hundred and twenty-four cubic feet of timber was extracted by elephants during the year. The elephants were partly engaged for arranging logs extracted by tractor at river bank depots.

Forty thousand four hundred and eighty cubic feet of timber was extracted by manual labour.



Extraction of log from clear-felling coupes, Mainimukh Subdivision (Chittagong Hill Tracts Division) by D.6 Tractor. Volume of the log is about 2.5 tons.



Elephants rolling logs at the logging ghat for rafting—Chittagong Hill Tracts Division.

38. **Extraction by purchasers.**—(1) *Timber and Fuel.*—Timber and Fuel were sold by auction, at valuation based on estimated outturn and royalty rates and on permits at scheduled rates. The following statement summarises the year's working results neglecting outstandings and end of year adjustments:—

Particulars.		Northern Circle.	Southern Circle.	Total for Bengal.	
				1945-46.	1944-45.
<i>Timber.</i>					
(i)	Volume extracted by purchasers in thousands of cubic feet ..	1,775	9,798	11,573	16,784
(ii)	Revenue realised on sale of timber to purchasers (Form No. 26) RIIa ..	Rs. 12,67,167	Rs. 18,21,375	Rs. 30,88,542	Rs. 35,91,446
(iii)	Average rate of royalty realised per cubic foot ..	As. p. 11 5·1	As. p. 2 11·7	As. p. 4 3·2	As. p. 3 5·1
<i>Fuel.</i>					
(i)	Volume extracted by purchasers in thousands of cubic feet (solid) ..	12,594	14,294	26,888	32,858
(ii)	Revenue realised on sale of fuel to purchasers (Form No. 26) RIIb ..	Rs. 3,61,693	Rs. 5,57,993	Rs. 9,19,686	Rs. 6,88,133
(iii)	Average rate of royalty realised per 100 cubic feet stacked or 50 cubic feet solid ..	Rs. a. p. 1 6 11·7	Rs. a. p. 1 15 2·6	Rs. a. p. 1 11 4·3	Rs. a. p. 1 0 9

(2) *Minor produce.*—Bamboo and other minor produce were sold to the purchasers mostly under permits at scheduled rates. Details of the revenue realised on various items are shown in Form No. 24. A total sum of

Rs. 6,19,175 (Rs. 5,50,245) was realised on sales during the year. Toll on fishing in the waters of the Sundarbans Division continued and a sum of Rs. 22,674 (Rs. 17,773) was realised on this account during the year.

39. **Rights and privileges.**—There are no rights in the Reserved forests under the management of this Directorate, but there are certain concessions. The Manager of the Government Cinchona Plantation at Munsong enjoys the privilege of issuing himself free permits for forest produce required for his plantations, the Khas Mahal tenants obtain free supplies of leaf-mould and grazing at concession rates and the Khas Mahal *mandals* are allowed free grazing to the extent of 7 cows per head. Free grazing was permitted over all the forests in the Dacca-Mymensingh Division, except in Sunkholas and newly regenerated areas.

40. **Free grants, etc.**—The following statement shows the quantity and/or value of forest produce given either free of royalty or at concession rate and furnishes the information required under Inspector-General of Forests' Circular No. 9-113-7, dated 26th June 1911:—

Particulars.	Timber.		Fuel.		Bamboos.		Value.		Total value.
	Cubic feet.	Value.	Cubic feet.	Value.	Nos.	Value.	Grass and grazing.	Other minor produce.	
		Rs.		Rs.		Rs.	Rs.	Rs.	Rs.
To right holders
To free grantees	..	72,897	5,497	527,280	14,438	..	26,624	901	47,460
Grant at reduced or concession rates.	6,361	..	6,361
Total grant free or at concession rates in 1945-46	..	72,897	5,497	527,280	14,438	..	32,985	901	53,821
Total grant free or at concession rates in 1944-45	..	4,468	1,070	156,821	12,578	..	32,043	361	46,055

In addition to these free grants, a large quantity of firewood and a fair amount of poles and bamboos were removed and consumed by military units who were actually camping inside or adjacent to Government forests in the Chittagong Division. It was not possible to obtain an approximate measurement of those materials or to attempt to recover royalties. The materials removed may be considered as free grants to His Majesty's Forces in the field.

41. The undermentioned species and quantities of Forest produce were reported to have been consumed by the Manager of the experimental Cinchona Plantation in Rango block.

Trees.	Nos.	Cubic feet.	Value.
			Rs. a. p.
<i>Castanopsis hystrix</i>	..	47	2317 217 3 6
<i>Beilschmiedia sikkimensis</i>	..	2	45 0 11 6
<i>Terminalia Myriocarpa</i>	..	31	2,561 640 4 0
<i>Cinnamomum glanduliferum</i>	..	1	124 31 0 0
<i>Phoebe hainesiana</i>	..	3	80 15 0 0
Firewood, dry cooly load	18,300 571 14 0
Firewood, green	1,200 12 0 0
Bamboos large	..	2,670	.. 26 11 0
Bamboos small	..	325,000	.. 650 0 0
Cane, 133 loads 99 12 0
Saplings	..	1,865	.. 116 9 0
Brushwood, 200 loads 6 4 0
Total	2,387 5 0

42. **Grants to forest villagers.**—The estimated value of free grants of forest produce made and grazing allowed to the forest villagers in the Northern Circle during the year in return for free labour supplied in sowing, planting, weeding, etc., in the plantations is shown in the table below:—

Division.	Timber.	Fuel.	Bamboos.	Grazing and fodder.	Minor produce.	Total.
Darjeeling ..	..	1,367	321	..	..	1,688
Kalimpong ..	1,522	1,930	121	1,679	276	5,528
Kurseong ..	..	313	..	..	40	353
Jalpaiguri ..	38	586	..	..	68	692
Buxa ..	295	1,287	..	..	..	1,582
Total ..	1,855	5,483	442	1,679	384	9,843

43. **War supplies.**—The position of supply on 31st March 1946 against current orders is stated below:—

Balance brought forward from 1944-45.	Orders received during 1945-46.	Total Tons.	Supplies in 1945-46. Tons.	Balance at the close of 1945-46. Tons.	Remarks.
<i>Sawn timber—</i> 19,695 tons ..	Bulk purchase orders received in 1944-45 were continued.	19,695	17,876	1,819	
<i>Round timber—</i> 77,282 tons.	Ditto.	77,282	20,924	47,358	
<i>Sleepers—Railway orders—</i> 9,101 Nos. ..	221,466 Nos.	230,567 Nos.	120,252 Nos.	110,315 Nos.	
292 tons ..	9,390 tons	9,682 tons	5,120 tons	4,562 tons.	
<i>Timber Supplies Directorate orders—</i> 1,094 Nos. ..	101 Nos.	1,195 Nos.	548 Nos.	647 Nos.	
69 tons ..	10 tons	79 tons	39 tons	40 tons.	

In addition to the above, large quantities of timber were supplied to the Army in the field by the Divisional Forest Officer, Chittagong Division.

CHAPTER V—FINANCIAL RESULTS.

44. The following statement summarises the revenue and expenditure of the year under report:—

Particulars.	1945-46. Rs.	1944-45. Rs.
Revenue	81,63,453	1,00,01,331
Expenditure—		
A—Conservancy and Works	70,45,373	1,12,85,071
*Deduct Aviii—Amount recoverable from other Governments and Departments, etc. ..	44,29,859	82,89,156
Net expenditure under A	26,15,514	29,95,915
B—Establishment	18,15,228	14,74,980
D—Charges in England	50,612	26,552
E—Loss or gain by Exchange	89	46
Total Net Expenditure	44,81,443	44,97,493
Surplus	36,82,010	55,03,838

* Note.—These amounts mostly consist of recoveries from the Supply Department of the Government of India on account of the price of timber purchased from the trade for supplies for war purposes.

The decrease in revenue was due to the suspension of supply of timber for war purposes by the middle of the year.

The decrease in expenditure under A—Conservancy and Works was mainly due to loss purchase of timber for war purposes.

The increase in expenditure under B—establishment was mainly due to increased rate of dearness allowance.

45. The prescribed analysis of the receipts and expenditure shows that of the receipts 93·7 (93·7) per cent. came from major produce, 7·1 (5·3) per cent. from minor produce, ·5 (·3) per cent. from commutation fees for forest produce, ·3 (·2) per cent. from grazing, 4·2 (3·0) per cent. from miscellaneous and 5·8 (2·5) per cent. went out as refunds, while of the expenditure 37·3 (48·1) per cent. was spent on Extraction, 10·0 (6·6) per cent. on roads and buildings, ·3 (·2) per cent. on fire protection, 3·2 (2·9) per cent. on cultural operations, 1·7 (1·6) per cent. on live-stock, stores and plant, ·1 (·1) per cent. on working plans, ·9 (·5) per cent. on rent for leased forests, 4·9 (6·5) per cent. on miscellaneous and 40·5 (32·8) per cent. on administration and 1·1 (·6) per cent. on charges in England.

46. The outstanding revenue at the close of the year amounted to Rs. 3,73,005 against Rs. 3,76,910 at the beginning.

47. The balance of timber, fuel, bamboos and other minor produce in stock at forest and sales depots and the value thereof are shown in forms Nos. 21 and 22. The net difference against the year was Rs. 6,23,072.

48. Form No. 23, which is an abstract of the value of live and dead stock, shows a balance of Rs. 1,19,337 in favour of the year.

49. The outstandings due by contractors and disbursers amounted to Rs. 4,250 at the commencement and Rs. 6,438 at the close of the year, *vide* A. R. Form No. 27 for the year.

50. **Barkal Toll Station.**—According to the arrangement sanctioned in the Board of Revenue, Bengal, "C" Group, Excluded Area Branch, letter No. 5392F.A., dated the 7th May 1942, the Barkal Toll Station remained under the management of the Government of Bengal. The revenue collected was divided equally between two Governments of Assam and Bengal and all the cost of management was borne by Bengal.

CHAPTER VI—RESEARCH AND EXPERIMENTS.

Silviculture.

51. (1) **General.**—The work was carried out in accordance with the programme sanctioned for the year. The programme of work for the period April 1945 to March 1950 has been completed. During the War period research work was limited due to paucity of staff.

(2) **Experimental Silviculture.**—*Natural Regeneration.*—(A) *Chittagong Tropical Semi-Evergreen and Moist Deciduous Forests.*—(i) The experiments in the Cox's Bazar subdivision on the regeneration of *Dipterocarpus costatus* and other species of the tropical semi-evergreen forests were continued. Although certain recruitment was noticed, results are not promising.

(ii) The dibbling of seed of *Dipterocarpus turbinatus* in natural forest is quite successful and may be useful to aid natural regeneration in the Chittagong forests.

(B) *Chittagong Tropical Evergreen Forests.*—Experiments on natural regeneration of evergreen forests in the Kasalong Reserve of the Chittagong Hill Tracts were continued. Results were fairly satisfactory.

(C) *Sal (Shorea robusta) Forests.*—Experiment on natural regeneration of various types of *sal* forests in North Bengal were continued mainly on the lines of the so-called Kamrup method. The results so far are very poor. It appears that burning alone, or aided by slashing the undergrowth, to obtain thatch, and the recruitment of *sal* is a very slow and costly method of getting the desired results. On the other hand the gradual opening up of the canopy and rains weeding, after a good seed year, followed by fire protection produces satisfactory results. Results of divisional experimental plots at

Raimatong, Buxa Division, justify the above remarks. Established regeneration is to be seen in these divisional experimental plots where the canopy has been opened up, and rains weeding and fire protection carried out.

In Bengal, the problem of *sal* natural regeneration is not of great urgency, as *sal* grown in plantations is fast, there is no delay in establishment and the work is concentrated and thus the cost of plantations by the *taungya* method is probably not more expensive than natural regeneration and the present labour force is almost sufficient in most divisions to plant up to the full prescriptions of the working plan.

(D) *Tidal Forests*.—No new experiment was started in this type of forests during the year under report. A new problem has now arisen in the afforestation of the coastal areas and tidal creeks of the Midnapore district. An experiment has been designed to ascertain the best method of afforestation of such areas, the species to be tried first are :—

Avicennia officinalis, *Ceriops roxburghiana* and *Nipa fruticans* with *Casuarina* on the sand dunes.

(3) **Nursery Work**.—Four nurseries with gardens in varying localities and elevations were maintained by the Silvicultural division during the year under report. Routine tests on the relative suitability of shaded and unshaded beds for each species, both exotic and indigenous, were carried out; relative merits of direct sowing transplanting in the rains and in winter, and stump planting for each species with, or without a cover crop, were investigated. A list of successful species grown is given below :—

A.—Northern Circle.

(i) Sukna (elevation—500 feet, rainfall—150 inches).—*Alcurites fordii*, *Cassia siamea*, *Dalbergia cultrata*, *Sterculia alata*, *Santalum album*, *Xylia dolabriformis*, *Cinnamomum camphora*.

(ii) Takdah (elevation—5,300 feet, rainfall—140 inches).—*Pinus patula*, *Pinus lawsoniana*, *Pinus excelsa*, *Cupressus torulosa*, *Cupressus cusitanioa*, *Cupressus cashmeriana*, *Tsuga brunoniana*, *Juniperus virginiana*, *Chamaecyparis lawsoniana*, *Hovenia dulcis*, *Betula alnoides*, *Betula cylindrostachys*.

(iii) Raman (elevation—7,950 feet, rainfall—100 inches).—No observation could be made during the year due to shortage of staff.

B.—Southern Circle.

(iv) Hazarikhil (elevation—100 feet. rainfall—125 inches).—*Artocarpus hirsuta*, *Artocarpus integrifolia*, *Bursera serratta*, *Cassia siamea*, *Anacardium occidentale*, *Saraca indica*, *Poinciana regia*, *Millettia ovalifolia*, *Cholorophora excelsa*, *Xylia dolabriformis*, *Casuarina equisetifolia*.

(4) **Artificial Regeneration**.—(A) *Wet Plains Sal Forests (Eastern Terai Type)*.—(1) Plantation grown *sal* was doing very well in all the *sal* divisions of North Bengal specially on well drained soil. Damage by pig was noticeable only in some badly affected areas but on the whole damage was negligible.

Loranthus attack in *sal* plantations still continues specially in the Jalpai-guri division but this pest can be eradicated by cutting down the attacked branches, which is costly. Experimental plots to see how far the loranthus really affects the *sal* are required.

(2) Jarul (*Lagerstroemia flos-reginae*) still continues to be the favourite species specially for low areas. Teak (*Tectona grandis*) plants were tried with success in the drier type of *sal* areas.

(3) Soft wood species, viz., *pitali* (*Trewia nudiflora*) and *simul* (*Bombax malabaricum*) with *lasun* (*Amoora rohituka*) in alternate lines 6 feet apart in preferably higher land and *kadam* (*Anthocephalus indicus*) in low areas were being planted successfully on extensive scale in Damanpore Range of the Buxa division, to replace the poor type of wet mixed *sal* forests.

(B) *Chittagong Moist Deciduous Forests*.—Teak and *garjan* (*Dipterocarpus spp.*) were the principal plantation grown species of this type of forests. Boilam (*Anisoptera glabra*) is being introduced into the plantations this year.

(C) *Chittagong Tropical Evergreen Forests*.—Teak, *jarul pyingado* (*Xylia dolabriformia*) and chapalish (*Artocarpus chaplasha*) continued to do well in this type of forests. *Gamari* (*Gmelina arborca*) plants are still infested with *Loranthus*.

(D) *Upper, Middle and Lower Hill Forests of Darjeeling Division*.—(1) Upper Hill Forests (elevation—7,000 feet and up).—Exotic spp., e.g., *Larix leptolepis*, *Pinus patula*, *Pinus thunbergii*, *Thuja plicata*, *Cupressus lusitanica*, *Cupressus funebris*, *Cupressus cashmiriana*, *Cupressus torulosa* and *Picea morinda* appear to grow satisfactorily.

The indigenous spp., e.g., oaks (*Quercus lineata*, *Quercus lamellosa*), *kaulas* (*Machilus odoratissima*, *Machilus edulis*), *champ* (*Michelia excelsa*) are doing well.

(2) Middle Hill Forests (elevation 4,500 feet to 7,000 feet).—*Quercus spp.*, *Machilus spp.*, *Acer campbellii*, *Michelia excelsa*, *Alnus nepalensis*, *Prunus nepalensis*, *Betula cylindrostachys* appear to do well in this type of forests.

(3) Lower Hill Forests (elevation up to 4,500 feet).—*Artocarpus chaplasha*, *Ailanthus grandis*, *Terminalia myriocarpa*, *Cedrela toona*, *Chukrassia tabularis*, *Lagerstroemia flos-reginae* appear to grow satisfactorily.

(5) **Miscellaneous**.—(1) Pyrethrum (*Chrysanthemum cinerariaefolium*) was sown in every nursery in the upper hill forests in August-September 1945. It germinates well and thrives best in shaded beds. The first of flowers appear in May of the second year. The most satisfactory method of growing pyrethrum in Bengal has been determined.

(2) The experiments to ascertain if the rot developed in teak raised by stump planting were continued.

(3) *Preservation plots*.—The existing preservation plots, 28 in number, were maintained.

(4) Muli bamboo (*Melocanna bambusoides*) seeds were tried in the hill forests of the Darjeeling district but they failed to germinate.

(5) Soil under the thick canopy of *Cryptomeria japonica* and that under deciduous forests was tested by the Director of the Geological Survey of India, Calcutta, for comparative acidity, the result showed that the difference in acidity was negligible.

(6) Sporadic flowering of *Melocanna bambusoides* was noticed in the Chittagong Division.

(7) Phenological observations of *Tectona grandis* and *Shorea robusta* were made and recorded.

(8) The work on afforestation of waste lands in the district of Nadia was taken up under the supervision of this division during the year under report.

(6) **Statistics.**—Routine measurements of scientific plots were carried out as usual and plots requiring computation of volume figures were sent to the Central Silviculturist, Forest Research Institute, Dehra Dun, for the purpose. Copies of other measurements, notes and observations taken on the experimental plots were also sent to the Central Silviculturist for his information and record. Observation and measurement in the Silvicultural nurseries and gardens were made and recorded.

There were 344 scientific plots at the end of the year.

Records.—General and scientific ledger files number 235 and 300 respectively.

A pamphlet on fuel and fodder spp. in Bengal has been taken up and is under compilation.

The Utilisation.

52. The Divisional Forest Officer, Utilisation Division, assisted generally in the work of direction and liaison connected with the supplies of timber, etc., for war purposes from all territorial divisions in the province during the year. In addition, activities were directed towards purchasing timber from areas outside Government forest localities as well. The demands for war purposes greatly increased in the beginning of the year, and continued for a few months with the result that the total supplies of timber increased more than three times of the supply of the previous year. Owing to sudden cessation of hostilities in the middle of the year the increased demands noticed in the beginning of the year ceased and supplies were thereafter delivered on a largely reduced scale to the various military units. But the supply to other departments of Government and Railways and public bodies continued to be on the increase with the result that this office continued to be as busy as ever and there was great pressure of work in all directions. Very soon after the cessation of hostilities supplies of timber in connection with post-war reconstruction purposes were started. This gave the opportunity to dispose of some of the surplus timbers that remained on our hands in the various depots owing to cancellation of supply orders as a direct result of the sudden cessation of hostilities.

Supply.

In addition to the supplies arranged through the territorial Divisional Forest Officers throughout the province the Divisional Forest Officer, Utilisation Division, had to arrange for local purchase of timber in areas outside the jurisdiction of the territorial Divisional Forest Officers in order to meet increased demands of the Military and R. A. F. Units. The abstract of the supply obtained through this source is stated below :—

Local Purchase.

Sal ballies	.. 81,728 Nos.	122,952 c.ft.	2,452 tons (1, 5 c.ft. av. per piece).
Sawn Timber	.. ....	2,031,424 c.ft.	406 tons
			<u>2,858 tons (1,418 tons 30 c.ft.).</u>

The position of supply on 31st March 1946 against current orders is stated below. It may be noted in this connection that in addition to these orders a considerable quantity of timber was supplied direct to the Army in the Field and elsewhere by the Divisional Forest Officer, Chittagong Division. These are not included in the statement below :—

Sawn Timber.				
Balance B. F. from 1944-45.	Orders received during 1945-46.	Total Tons.	Supplies in 1945-46 Tons.	Balance at the close of 1945-46 Tons.
19,695 tons.	Bulk Purchase Orders received in 1944-45 were continued.	19,695	17,876 (7,902)	1,819
Round Timber.				
77,282	Ditto.	77,282	29,924 (7,037)	47,358
(a) Sleepers Railway Orders.				
9,101 Nos. 292 tons.	221,466 Nos. 9,360 tons.	230,567 Nos. 9,652 tons.	1,20,567 Nos. 5,120 tons (133,472 Nos. 5,452 tons).	110,316 Nos. 4,532 tons.
Civil Supplies Directorate's orders.				
1,091 Nos. 69 tons.	101 Nos. 10 tons.	1,195 Nos. 79 tons.	548 Nos.—39 tons (30,488 Nos. 1,644 tons)	617 Nos. 40 tons.

Rupees 2,43,049 (Rs. 2,83,245) was spent in connection with the purchase of timber for the Timber Supplies Directorate, including the pay and allowances of temporary establishment maintained in the division in that connection. Rupees 2,60,042 (Rs. 2,54,108) was received from the Central Government during the year, out of which Rs. 23,240 was credited to revenue of the division. An expenditure of Rs. 1,632 only was incurred during the year in connection with the work relating to the distribution of the cutting tools throughout Bengal excluding Calcutta and the Calcutta Industrial Area. The entire amount was recovered from the Central Government within the year.

An expenditure of Rs. 239 was incurred in this division for Government of India Timber Depot contingencies and part pay of depot staff. The entire amount was recovered in full during the year from the Central Government.

The Utilisation Ranges formed for the efficient management of the Government of India Timber Depots continued to function under the administrative control of the territorial Divisional Forest Officers throughout the year.

The function of the official distributor of saw-milling cutting tools was performed by the Divisional Forest Officer, Utilisation Division, until the end of the year when the entire stocks were returned to the custody of the Officer-in-charge, Government of India Timber Depot, Paharpore, Calcutta. The establishment, viz., 1 clerk and 1 peon, entertained in this connection was disbanded at the close of the year.

To add to the increased activities of this division, the control of movement of timber by rail and the issue of transit passes relating to this movement were continued during the year as well. The Divisional Forest Officer, Utilisation Division, continued to work as a member of the Provincial Timber Transport Advisory Committee, Bengal-Assam Railway Zone, which was set up for the control of the movement of timber by rail during the previous year. This resulted in an enormous increase in the work in this office.

Programme for all movements of timber by rail over the Bengal-Assam Railway System, which work was transferred to the local office of the Timber Supplies Directorate, Government of India, in December 1944 had

again to be issued by this office from the month of December 1945 until the end of the year. The posts of 2 clerks and 1 stenographer were sanctioned for this programming work. But the post of stenographer could not be filled up during the year as the sanctioned pay of the post was found quite inadequate.

Bengal Timber Prices Control Order, 1944, which was notified during the previous year under notifications No. 13561For., dated 7th August 1944, and No. 19095For., dated 23rd November 1944, continued to be in force throughout the year.

The entire supply of sleepers from Bengal Forest Department had to be arranged by the F.U.O. with the Sleeper Control Organisation of the Railway Board. Payments for these sleepers were also made by Forest Utilisation Officer on behalf of the Financial Adviser and Chief Accounts Officer of the Railways concerned as in previous years. Rupees 7,70,000 (Rs. 8,72,021) was disbursed accordingly during the year.

CHAPTER VII—ADMINISTRATION.

53. **Chief Conservator of Forests, Bengal.**—The post of the Chief Conservator of Forests created under Government Order No. 19285-F.O./4E-32/44, dated 25th November 1944, was held by Mr. T. M. Coffey, C.I.E., I.F.S., throughout the year.

54. **Charges of Forest Circles.**—(i) *Northern Circle.*—Mr. F. J. A. Hart, O.B.E., I.F.S., held charge throughout the year.

(ii) *Southern Circle.*—Mr. S. J. Curtis, O.B.E., M.C., I.F.S., was in charge of the circle during the year except for the period 1st June 1945 to 20th October 1945 during which Mr. W. E. Hodge, I.F.S., held the charge.

(iii) *Development Circle.*—The following officers held charge of the Development Circle for the period noted against each:—

(a) Mr. C. T. Trigg, I.F.S., from 1st April 1945 to 20th February 1946.

(b) Mr. D. A. G. Davidson, I.F.S., from 21st February 1946 to 24th March 1946.

(c) Mr. W. E. Hodge, I.F.S., from 25th March 1946 to the end of the year.

55. **Cadre of Assistant Forest Officers.**—Three temporary posts of Assistant Forest Officers to hold minor charges were sanctioned during the year and were filled up by promotion from the cadre of Forest Rangers.

56. **Cadre of Senior Forest Rangers.**—The post of a Senior Forest Ranger which was kept in abeyance was filled up from 1st October 1945 by promotion of a Forest Ranger.

57. **Divisional permanent clerical staff.**—Proposals for increasing the number of permanent clerical posts in the various Divisional Forest Offices in Bengal were submitted to Government during the year.

The proposal for the creation of permanent posts of Accountants in the Divisional Forest Offices was under the consideration of Government.

58. **General organisation.**—The inadequacy of trained staff existed as before. The great preponderance of untrained staff over trained Foresters caused much difficulty in administration and lowered efficiency in general.

59. **Deputation.**—Mr. K. L. Lahiri, D.C.F., was deputed for a course of advance forestry training at Oxford for a period of about 8 months from January 1946. Three Foresters, one from Chittagong Division, one from the Chittagong Hill Tracts Division and one from Working Plans Division were deputed to the Indian Forest College, Dehra Dun, for the Rangers' Course for the season 1946-48.

The permanent executive staff on deputation for service in the Dacca-Mymensingh Division was 4 Forest Rangers, 2 Deputy Rangers and 18 Foresters.

60. **Additional permanent posts sanctioned or permanent post retrenched.**—Government in their No. 70For., dated the 23rd January 1946, accorded sanction to the retention on permanent basis, of 2 clerks on the scale of pay of Rs. 35—35—40—4/2—80 and 4 dakwallas, 2 peons and one office chaukidar on the scale of pay of Rs. 13—1/5—17 for the Subdivisional Forest Officers of the Chittagong Division with retrospective effect from 1st July 1944.

One audit clerk for the office of the Conservator of Forests, Development Circle was sanctioned during the year.

61. **Temporary posts entertained in connection with post-war Development Schemes during the year.**—The post of Additional Divisional Forest Officer, Utilisation Division, terminated on 28th February 1946 and Government in their Agriculture, Forest and Fisheries Department letter No. 411For., dated the 27th April 1946, sanctioned the revival of the temporary post of Attached Officer, Utilisation Division, with effect from 1st March 1946 and to the continuance of the same up to 28th February 1947 on account of increased work in connection with the Post-War Schemes of the Directorate.

In the Northern Circle one post of Forest Ranger and two posts of Deputy Rangers were created during the year in connection with the Post-War Development Schemes.

62. **Creation of West Bengal Division.**—With a view to implement the Bengal Private Forest Act, 1945, and to start the work of controlling private forests in West Bengal on an experimental basis, Government in their Agriculture, Forests and Fisheries Department letter No. 34For., dated 29th October 1945, sanctioned the creation of a new Forest Division known as West Bengal Division with headquarters at Midnapore with the following staff:—

Divisional Forest Officer	...	...	...	1
Forest Rangers	...	...	...	2
Deputy Rangers	...	...	...	2
Foresters	...	...	...	3
Forest Guards	...	...	...	2
Malis	...	...	...	2
Head Clerk	...	...	...	1
Clerk	...	...	...	1
Peon	...	...	...	5
Dakwallas	...	...	...	2

63. **Bengal Forest School.**—Nineteen students completed the Foresters' Course, 1944-45, all of whom passed successfully. The general standard was average.

Fourteen Foresters, 4 from the Sunderbans Division and 10 from the Chittagong Division, were deputed to the Bengal Forest School for training for the session 1945-46.

Mr. S. Sitling, B.S.F.S., held the charge of the School Division as Director and Forest Ranger K. M. Idris Hossain was the Instructor.

64. Preliminary training of Foresters, Forest Guards, etc.—With a view to develop or rehabilitate the forest and increase the efficiency of management, a preliminary training school was opened at Barairyadhala in the Chittagong Division to train newly appointed and inexperienced staff in the rudiments of their official duties. The period of training was about one month and a half from the 1st December 1945. The Range Officer, Rangarh-Sitakund Range (Forest Ranger Dhirendra Narayan Guha), carried out the training course in addition to his normal duties. Fifteen students from the Directorate and one from the Tripura State were taught in (1) Forest Organisation in Bengal, (2) Forest Law, (3) Beat Accounts and Office Up-keep, (4) Practical Forest Works, (5) Map reading and survey and (6) Elementary ideas about Forest Engineering.

65. Retirements casualties, etc.—(1) *Gazetted Officers*.—Mr. S. K. Dutta, B.S.F.S., D.C.F., retired on superannuation with effect from the 4th November 1945.

(2) *Subordinate and clerical establishments*.—The following statement summarises the retirements and other casualties in the permanent establishment during the year under report:—

Particulars.	Forest Rangers.	Deputy Rangers.	Foresters.	Forest Guards.	Head Clerks.	Clerks and typist.	Mahuts and grass-cutters.	Peons, dakwallas, etc.	Steamer crew.	Total.
(1) Died .. .. .	..	..	2	8	..	..	..	..	1	11
(2) Retired on superannuation .. .. .	..	1	..	6	..	1	..	..	..	8
(3) Retired before superannuation	2	..	..	2	..	..	..	1	..	5
(4) Resigned .. .. .	..	..	10	3	..	1	..	2	..	16
(5) Dismissed .. .. .	..	..	7	2	..	..	..	1	..	10
(6) Services dispensed with .. .. .	..	..	6	28	..	2	12	14	..	62
(7) Missing .. .. .	..	..	..	1	..	..	..	..	..	1
Total ..	2	1	25	50	..	4	12	18	1	113

66. Decorations.—In recognition of their long and efficient services Mr. T. V. Dent, I.F.S., was appointed Member of the British Empire and Forest Rangers Dhirendra Narayan Guha and Suresh Chandra Roy were awarded the British Empire Medals.

Retired Forest Ranger A. N. Roy was awarded the title of Rai Sahib in recognition of his long and meritorious services in the Directorate.

67. The relation between revenue and forest officials was cordial.

CHAPTER VIII—GENERAL.

67. **Forest villages.**—The following permanent and temporary forest villages were maintained during the year:—

Forest Divisions.	Villages—numbers.				Houses—numbers.				Area in acres.			
	1945-46.		1944-45.		1945-46.		1944-45.		1945-46.		1944-45.	
	Permanent.	Temporary.	Permanent.	Temporary.	Permanent.	Temporary.	Permanent.	Temporary.	Permanent.	Temporary.	Permanent.	Temporary.
Darjeeling ..	18	18	18	14	239	137	236	155	586	103	586	156
Kalimpong ..	7	14	7	12	125	260	134	228	143	200	205	207
Kurseong ..	19	5	19	2	408	70	356	13	457	146	457	22
Jalpaiguri ..	38	..	38	..	560	..	570	..	2,906	..	3,035	..
Buxa ..	36	..	38	..	736	..	780	..	4,916	..	4,986	..
Total ..	118	37	120	28	2,068	467	2,076	306	9,038	149	9,268	395

The statement below shows the villages maintained in the Chittagong and Chittagong Hill Tracts Divisions at the close of the year:—

Forest Divisions.	Villages. Nos.	Houses. Nos.	Areas in acres.
Chittagong	1	12	12
Chittagong Hill Tracts ..	6	120	No fixed area.
Total ..	7	132	12

Attempts were being made to establish more villages in the Chittagong Division.

68. **Temporary cultivation within Government forests.**—In the Chittagong Division the policy of leasing out small plots of cultivable lands within the Government Forests for temporary cultivation on annual permits continued during the year.

69. **Elephants in the Directorate.**—There were 11 elephants in the Northern Circle and 11 elephants in the Southern Circle at the close of the year, *vide* Annual Report from No. 23 for the year. The condition of the elephants was generally good. There were only 2 cases of sore back.

There were no departmental elephants in the Chittagong Division prior to the year under report since 1941-42 when all the elephants of the Southern Circle were in elephant concentration camp under the supervision of a Special Officer. Later some of them were taken over by the Military for military work.

During the year under report, 5 elephants as named below, were taken over from the Military authorities:—

Name of the elephant.			Cost price.
			Rs.
1.	Matilal	...	3,000
2.	Ganeshlal	...	3,000
3.	Rabhi	...	2,000
4.	Chanchalkumari	...	3,000
5.	Ranbahadur	...	4,000
Total			15,000

The prices as noted above were neither paid from the Chittagong Division nor adjusted in any way in that division during the year under report. The condition of these elephants was on the whole good. Only Ganeshlal became temporarily unfit owing to wounds received while under military.

Besides there were 3 elephants in the Chittagong Hill Tracts Division—one from the Collector of Chittagong and two from the Settlement Department. The two elephants of the Settlement Department were made over to the Collector of Malda and the elephant from the Collector of Chittagong died of *Puerperal Septicaemia*. In the Chittagong Division, a small female elephant calf just over 36" high at the shoulder and about 6 months old was caught by the villagers. The calf was made over to the Ranger (Officer, Razu Range, under the orders of the Deputy Commissioner, Chittagong Hill Tracts.

70. **Steam and motor launches and flats.**—In the Sunderbans Division the cost of maintaining the launches and flats was Rs. 36,403 (30,484) for repairs, Rs. 8,399 (10,186) for marine stores, Rs. 33,917 (32,325) for establishment and Rs. 29,980 (28,916) for coal and oil.

The increase under repairs, coal and oil was due to higher cost of stores and labours and that under maintenance was due to payment of dearness allowance at higher rates. The decrease under marine stores was due to curtailment in purchase of stores on account of higher prices. The policy of denial of boats in the Sunderbans Division was continued.

71. **Wild Birds and Animals Protection Act.**—Two cases under this Act were reported from the Chittagong Hill Tracts Division of which one was undetected.

72. **Death and injury caused by wild animals.**—A statement showing the number of men killed or injured is given below:—

Division.	Tiger.		Crocodile. Elephant.	
	Killed.	Injured.	Killed.	Killed.
Buxa	2	..	..	..
Sunderbans	30	..	2	..
Chittagong	1	..	..	3
Dacca-Mymensingh	..	24	..	..
Total	33	24	2	3

Two sambhars, 1 barking deer, 4 buffaloes, 1 bullock, 14 cows, 1 calf, 6 goats and 12 ponies were killed by wild animals in the Northern Circle. Forty cattle were mauled and 30 were killed by leopards in the Southern Circle.

73. Number of animals killed for which rewards were paid and shooting permits issued.—Seven tigers and 3 tigresses were killed in the Sunderbans Division during the year and a sum of Rs. 800 was paid by the Directorate as rewards. No reward was paid by the Civil authorities through this Directorate during the year.

Four hundred and thirteen (430) shooting permits were issued during the year and a sum of Rs. 7,845 was realised on this account. Twenty-two (11) free tiger shooting permits were issued to professional shikaries.

74. Wild animals killed.—The following statement shows the number of wild animals shot and killed during the year:—

All-India Serial No.	Species.				Number killed during 1945-46.	Average of last 5 years.
1a	Tiger	..	..	..	22	15.6
1b	Tigress	..	..	..	18	12.0
2	Leopard or panther	..	..	..	39	21.8
3	Wild cats	..	..	..	8	9.8
8	Wild dogs	..	..	..	4	3.4
12	Himalayan black bear	..	..	..	2	.6
14	Sloth bear	..	..	..	8	2.0
15	Wild elephant	..	..	..	14	20.0
27	Serow or Himalayan goat antelope	..	..	..	3	2.4
28	Ghoral or Goral	..	..	..	6	3.2
33	Kakar or barking deer	..	..	..	193	127.0
37	Sambhar	..	..	..	35	34.6
38	Cheetal or spotted deer or axis deer	..	..	..	988	358.8
39	Hog deer or para	..	..	..	40	22.6
43	Crocodile or muggar	..	..	..	911	1.6
45	Python	..	..	..	4	3.0
46	Other (species given below)	..	..	..	2,057	615.8
	Wild pigs	..	..	..	260	
	Hare	..	..	..	27	
	Porcupine	..	..	..	1	
	Jungle fowl	..	..	..	791	
	Pea fowl	..	..	..	48	
	Imperial pigeon	..	..	..	27	
	Green pigeon	..	..	..	77	
	Pigeons	..	..	..	64	
	Kalij pheasant	..	..	..	63	
	Snipe	..	..	..	70	
	Partridge	..	..	..	18	
	Duck	..	..	..	15	
	Wood cock	..	..	..	1	
	Others	..	..	..	500	
	M. lizards	..	..	..	36	
	Fish-cutly	..	..	..	9	
	Mahseer	..	..	..	9	
	Trout	..	..	..	1	
	Others	..	..	..	40	
					<hr/> 2,057 <hr/>	

75. Shooting and Fishing Associations.—The activities of the Shooting and Fishing Associations continued to be satisfactory.

76. Destruction of crops by wild elephants and preventive measures taken.—Damage by wild animals continued in the Jalpaiguri and Buxa Divisions. Two rogue elephants were destroyed in the Jalpaiguri Division during the year. Kheddass were conducted and Rs. 21,800 was received as royalty.

Khedda operation was suspended in the Chittagong Hill Tracts Division for two years prior to 1945-46 owing to war. As a result of which wild elephants increased in number with resultant damage to plantations and public properties in the neighbouring villages. A khedda mahal (Maini Kassalong) was leased out for capturing wild elephants during the year and Rs. 500 was realised from the licensee being royalty.

77. **Damage from storm.**—Fifty-nine boats and dinghees and one departmental accommodation in the Sunderbans Division sank by accident.

78. **Mela or fair in the forest areas.**—The ban on the annual fair at Dubla Char in the Sunderbans Division on "Rash Purnima" day which was enforced in 1942-43 continued during the year.

79. **Dacca-Mymensingh Division—Squatters.**—The survey of squatters land under the scheme sanctioned by Government in their No. 10027For., dated 7th October 1942, was continued.

80. **Dacca-Mymensingh—Financial results.**—The net profit on the working of the Attia Forests for the year under report amounted to Rs. 1,30,750 or Rs. 3-1-8 per acre (Rs. 88,706 or Rs. 2-1-8 per acre). The net profit for the Bhowal Forests was Rs. 5,94,742 or Rs. 15-13-8 per acre (Rs. 4,04,379 or Rs. 10-12-6 per acre) and for the Muktagacha Atani Raj Forests, the net profit was Rs. 11,768 or Rs. 2-11-4 per acre (Rs. 9,963 or Rs. 2-4-9 per acre).

The increase in all cases was due to the greater demand for forest produce during the year.

Relations between the Directorate of Forests and the proprietors and their agents remained cordial throughout the year.

In the Dacca-Mymensingh Division, the following areas were clear felled and regenerated under *Simple Coppice System*:—

							Acres.
Bhowal forest	..	..	..	..	..	..	1,298
Attia forests	..	..	..	..	..	..	908
Muktagacha Atani Raj forests	..	..	..	..	..	..	99
Total						..	2,305

In the same Division, climbers were cut over 11,898 acres of coppice under the provisional scheme at a cost of Rs. 12,764 (9,776) when operation was combined with thinnings and no extra cost was incurred.

81. **General note.**—The demand for timber and other forest produce during the first half of the year was as great as it was in the previous year. To meet the increased demand, increase in exploitation was maintained. The demand for firewood by the tea gardens for want of coal was very heavy. Every possible step was taken to meet the heavy demand. The subordinate staff of all the divisions, specially those in the Chittagong Division, worked extremely hard and very willingly under the most difficult conditions and deserve credit for what they have achieved.

82. The writer of this report records here his appreciation of the services of officers and subordinates of both executive and clerical establishment for their ungrudging efforts needed by the times.

S. CHAUDHURI,

Director of Forests, West Bengal.

CHAPTER IX—REVIEW OF FOREST ADMINISTRATION IN BENGAL FOR THE PERIOD 1st APRIL 1939 TO 31st MARCH 1946.

1. A summary of the progress made in Forest Administration in Bengal during the period 1st April 1939 to 31st March 1946 is given below.

2. **Changes in forest areas.**—The forest areas are compared in the following statement:—

Kind of forest.					Area on 1st April 1939 in sq. miles.	Area on 31st March 1946 in sq. miles.
Reserved forests	..	..	..	..	6,335	6,937
Protected forests	..	..	..	..	(a) 906	206
Unclassed State forests		..	..	..	(a) 3,399	3,602
Leased lands	..	..	..	..	1,489	1,489
Total					12,129	12,234

(a) Corrected figure.

The alterations are due to the additions and corrections in areas.

3. **Forest Settlement.**—During the period under review 640 square miles were brought under settlement, of which 632 square miles were previously Protected forests in the Sunderbans Division and subsequently reserved forests. The total area finally settled on 31st March 1946 was 6,937 square miles against 6,335 square miles on 1st April 1939.

4. **Demarcation.**—The total length of artificially demarcated boundaries was 6,978 miles on 31st March 1946 against 6,036 miles on 1st April 1939.

5. **Forest surveys.**—The total area surveyed was 6,682 square miles at the close of the period under review against 6,720 square miles at the beginning.

6. **Working Plans.**—The total area under sanctioned working plans and schemes was 4,843 square miles at the close of the period as compared with 6,739 square miles at the beginning. The decrease was due to the fact that the whole area of the Chittagong Division was not under any working plan. The revision of the working plan for that Division was postponed. Simple schemes for selection felling were prepared for the reserved forests.

The working plans for the Darjeeling and Kurseong Divisions were revised during the period and brought into force. The work in connection with the revision of the working plans of the Jalpaiguri and Buxa Divisions was in progress. The working scheme of the Chittagong Hill Tracts Division for a period of 10 years from 1st April 1943 was sanctioned by the Board of Revenue, Bengal, under their No. 14134E.A., dated 30th November 1945.

The compilation of a working scheme for the Dacca-Mymensingh Division was completed but the scheme was not sanctioned during the period under review.

7. Communications and buildings.—The average annual expenditure during the period under report is shown in the following statement as compared with that of the previous quinquennium:—

Works.					Period 1st April 1934 to 31st March 1939.	Period 1st April 1939 to 31st March 1946.
					Rs.	Rs.
Roads and Bridges .. .. .	..	..	..	..	44,284	93,572
Buildings .. .. .	..	..	..	..	79,382	1,30,798
Other works .. .. .	..	..	..	..	13,393	22,629
Total ..					1,37,059	2,46,999

Owing to the shortage of funds during the previous quinquennial period, many of the buildings had deteriorated badly and required immediate attention to keep them fit for habitation while some others had passed the stage for economical repairs and needed complete reconstruction. Due to heavy extraction of timber and other forest produce to meet the war demands extensive repairs had to be done to the existing roads and paths and many new roads and paths had to be constructed. These are the reasons for the increase of expenditure under the heads "Roads and bridges" and "Buildings". The increase under head "Other works" was due to special repairs to and maintenance of wells, water pipes, revetment, drainage, fencing and jetties.

8. Forest offences.—The average annual number of forest offences during the period under report is compared with that of the previous quinquennium in the following statement:—

Particulars.					Period 1st April 1934 to 31st March 1939.	Period 1st April 1939 to 31st March 1946.
Injury to forests by fire .. .. .	..	..	..	..	84	59
Unauthorised felling .. .. .	..	..	..	..	3,865	1,905
Unauthorised grazing .. .. .	..	..	..	..	2,046	904
Other offences .. .. .	..	..	..	..	1,586	2,784
Total ..					7,581	5,652

The decrease in number of offences was due to the fact that the subordinate executive staff were so heavily engaged in all parts to look after the war supplies that it was not possible to pay proper attention in detecting offences specially in the Chittagong and Chittagong Hill Tracts Divisions which were in the operational zone during the whole period under review.

9. Fire protection.—The average area under fire protection which was actively protected at the close of the period under report was 705 square miles against 1,549 square miles at its commencement. The average of success was 96.7 against 99.1 in the preceding period. The reduction in area is due to the fact that only those areas for which special protective measures had been undertaken are included in this period's figures.

10. Protection from cattle.—The average area of forests under the Forests Directorate open to grazing was 1,042 square miles at the close of the period against 4,562 square miles at its beginning. The decrease is mainly due to exclusion of the areas of the Unclassed State Forests over which Forest Directorate has no right other than to levy fees for the export of forest produce therefrom.

The average number of cattle admitted into the forests under the Forest Directorate for grazing was 47,444 against 55,260 in the preceding period. The decrease in number of cattle allowed to graze is due to the fact that in the Dacca-Mymensingh Division, the local villagers were allowed to graze unspecified number of their cattle in the forest free of charge. The actual number of cattle grazed was not therefore available. During the period under review the average number of browsers decreased from 231 to 156. Protective measures were adopted as usual to prevent destructive grazing in the valuable forest.

11. **Outturn.**—The following statement compares the average annual outturn for the two periods:—

Particulars.	Period 1st April 1934 to 31st March 1939.		Period 1st April 1939 to 31st March 1946.	

Timber and fuel (in thousands of cft.)	25,090	34,908
Bamboos (Nos.)	33,530,581	36,706,687
Minor produce (value in Rs.)	3,01,300	3,33,973

The increase under "Timber and fuel" was due to war supplies.

The increase under bamboos is partly due to supplies to the military and partly to increased demand from the public.

The increase under Minor produce is mainly due to royalty obtained for the release of Khedda mahals.

During the period, the Utilisation Division was mainly employed in assisting in the direction for supplies of timber, etc., for war purposes. The Divisional Forest Officer purchased huge quantity of timber in the open market for supply to the Timber Directorate of the Government of India, which may or may not have emanated from Bengal sources.

12. **Financial results.**—The average financial results for the period under review as compared with those of the preceding period are shown in the following table:—

	Period 1st April 1934 to 31st March 1939.		Period 1st April 1939 to 31st March 1946.	
	Rs.	Rs.	Rs.	Rs.
Revenue	20,04,848	51,06,322
Expenditure	15,59,557	29,80,833
Surplus	4,45,291	21,25,489

The very large increase in the revenue, expenditure and resultant surplus was due to the increased activities of the Directorate with regard to supplies of forest produce to the Military for war purposes particularly in South-East Bengal. In 1944-45, the surplus was the highest (viz., Rs. 55,03,838) obtained since the creation of Directorate.

13. **Provincial Forest Education.**—The Bengal Forest School continued to afford training to men in the subordinate Forest Service in the rank of Foresters. There was no change in the standard of training given to the students.

With a view to develop or rehabilitate the forest and increase the efficiency of management, a preliminary training school of Foresters, Forest Guards, etc. was opened in the Chittagong Division during 1945-46 to train newly appointed and inexperienced staff in the rudiments of their official duties. The course was for 1½ months and the subjects taught were (1) Forest Organisation in Bengal, (2) Forest Laws, (3) Beat accounts and office up-keep, (4) Practical Forest works, (5) Map reading and Survey, and (6) Elementary ideas about Forest Engineering.

14. Administration.—During the period under review, the work on supplies of timber and other forest produce for war purposes continued to increase and necessitated re-enforcement in higher administration. A third circle called Utilisation and Research Circle with a Conservator at the head was created from 1st December 1943 under notification No. 16694For., dated 19th November 1943. The name of the "Utilisation and Research Circle" was subsequently changed to "Development Circle" with effect from 1st December 1944 under Government Order No. 20472For./W.A-38-44, dated 16th December 1944. Three Research Divisions were placed under this newly created circle.

The following officers held charges of the three circles as Conservators for the period noted against them:—

<i>Northern Circle.</i>	<i>From</i>	<i>To</i>
Mr. W. Meiklejohn, C.I.E., I.F.S. ..	.. 1st April 1939 ..	3rd September 1941.
Mr. T. M. Coffey, C.I.E., I.F.S. ..	.. 4th September 1941 ..	4th June 1943.
Mr. F. J. A. Hart, O.B.E., I.F.S. ..	.. 5th June 1943 ..	13th August 1943.
Mr. T. M. Coffey, C.I.E., I.F.S. ..	.. 14th August 1943 ..	30th November 1944.
Mr. F. J. A. Hart, O.B.E., I.F.S. ..	.. 1st December 1944 ..	31st March 1946.
<i>Southern Circle.</i>		
Mr. C. E. Simons, I.F.S. ..	.. 1st April 1939 ..	13th October 1941.
Mr. S. J. Curtis, M.C., I.F.S. ..	.. 14th October 1941 ..	21st December 1944.
Mr. W. E. Hodge, I.F.S. ..	.. 22nd December 1944 ..	30th December 1944.
Mr. S. J. Curtis, M.C., I.F.S. ..	.. 31st December 1944 ..	31st May 1945.
Mr. W. E. Hodge, I.F.S. ..	.. 1st June 1945 ..	20th October 1945.
Mr. S. J. Curtis, O.B.E., M.C., I.F.S. ..	.. 21st October 1945 ..	31st March 1946.
<i>Development Circle.</i>		
Mr. F. J. Hart, O.B.E., I.F.S. ..	.. 1st December 1943 ..	15th December 1944.
Mr. W. E. Hodge, I.F.S. ..	.. 16th December 1944 ..	7th March 1945.
Mr. C. T. Trigg, I.F.S. ..	.. 8th March 1945 ..	20th February 1946.
Mr. D. A. G. Davidson, I.F.S. ..	.. 21st February 1946 ..	24th March 1946.
Mr. W. E. Hodge, I.F.S. ..	.. 25th March 1946 ..	31st March 1946.

For reasons of better administration, a temporary post of Chief Conservator of Forests, Bengal, was created with effect from 1st December 1944 under the Government Order No. 19285For/4F-32/44, dated 25th November 1944, and Mr. T. M. Coffey, C.I.E., I.F.S., held charge of the office of the Chief Conservator from 1st December 1944 to the end of the period under review.

Because of the acute shortage of trained personnel for urgent works the activities of the Silvicultural and Working Plans Division were reduced to the minimum and only a skeleton establishment under one Divisional Forest Officer was maintained under Government Order No. 3502For., dated 26th March 1946, and 4011For., dated 10th April 1942.

15. **Forest legislation.**—Bengal Timber Prices Control Order, 1944, was notified under notification Nos. 13561For., dated 7th August 1944, and 19095For., dated 23rd November 1944.

The Bengal Private Forest Act, 1945, came into being at the end of the period under review.

16. **Map.**—Due to the recent changes in the constitution, the map requires thorough revision which will be done and issued in the next quinquennium.

17. **General.**—Nearly the whole period under review was one of steady expansion in exploitation to meet war-time needs with the foreign sources virtually closed, the demand for timber rose to the extreme. There was also a steady expansion in the use of wood fuel to save transport on coal. Chittagong was the forward supply base for the Army in Arakan. The Japanese were in territorial possession of a part of the Reserved forests in the Chittagong Division from May to September 1944, and the atmosphere there was of front line activity.

FORM No. 7.

FORM

[Paragraphs

Area of Reserved Forests, Protected Forests, Unclassed or

Division.	Range.	Civil district or territory.	Name of forest.	Area on 1st April 1945.	
				Acres.	Equivalent in square miles.
1	2	3	4	5	6
RESERVED FORESTS.					
(Under Forest Directorate.)					
Northern Circle.					
Darjeeling ..	Tista Valley ..	Darjeeling ..	Tista Valley ..	6,930	11
			Other Forests ..	64,468	100
			Total ..	71,398	111
Kalimpong ..	Kalimpong ..	Darjeeling ..	Other Forests ..	134,722	210
			Total ..	134,722	210
Kurseong ..	....	Darjeeling ..	....	71,662	112
Jalpaiguri ..	....	Jalpaiguri ..	....	122,560	192
Buxa ..	....	Ditto ..	....	239,434	374
			Total Reserved Forests in Northern Circle.	639,776	999

No. 7.

1-5.]

Public Forest Land, and Leased Forests, 1945-46.

Added during the year.	Excluded or transferred to other heads.	Area on 31st March 1946.		Number and date of notification of addition or transfer, etc.	Remarks.
Acres.	Acres.	Acres.	Equivalent in square miles.		
7	8	9	10	11	12
1	1	6,030	11	B.G. No. 225-For., dated 7th March 1946.	1-28 acres of Reserve Forest land transferred to the Works and Buildings Directorate and 0-94 of an acre of the Works and Buildings Directorate land to the Forest Directorate in connection with the diversion of the 1st and 2nd quarters of the 27th mile of the Tista Valley Road.
..	..	64,468	100	....
1	1	71,398	111		
..	..	134,722	210	....
..	..	134,722	210		
..	..	71,662	112	....
..	..	122,560	192	....
..	..	239,434	374	....
1	1	639,776	999	....

Division.	Range.	Civil district or territory.	Name of forest.	Area on 1st April 1945.	
				Acres.	Equivalent in square miles.
1	2	3	4	5	6
OTHER RESERVED FORESTS.					
Northern Circle.					
Darjeeling	Darjeeling ..	Tista Valley and other Forests.	1,497	2
Kalimpong	Ditto ..	....	9,308	15
Kurseong	Ditto ..	....	289	..
Jalpaiguri	Jalpaiguri ..	....	664	1
Buxa	Ditto ..	....	613	1
Total Other Reserved Forests in Northern Circle.				12,371	19

Added during the year.	Excluded or transferred to other heads.	Area on 31st March 1946.		Number and date of notification of addition or transfer, etc.	Remarks.
		Acres.	Equivalent in square miles.		
7	8	9	10	11	12
1	1	1,497	2	....	In charge of Civil, Works and Buildings Directorate, Scots Mission and Municipal authorities.
..	..	9,308	15	....	In charge of Civil, Cinchona, Works and Buildings and Public Health Directorates.
..	..	289	..	....	In charge of Cinchona, Civil, Education, Works and Buildings Directorates, Kurseong Municipality and Darjeeling Himalayan Railways.
..	..	664	1	....	In charge of Bengal Assam Railway and Works and Buildings Directorate.
..	..	613	1	....	In charge of Bengal Assam Railway, District Board, Postal Department and Works and Buildings Directorate.
1	1	12,371	19	....

Division.	Range.	Civil district or territory.	Name of forest.	Area on 1st April 1945.	
				Acres.	Equivalent in square miles.
1	2	3	4	5	6
PROTECTED FORESTS.					
(Under Forest Directorate.)					
Northern Circle.					
Kalimpong	Darjeeling ..	Development Area, Kalimpong.	173	..
OTHER PROTECTED FORESTS.					
Darjeeling	Darjeeling ..	Jalapahar Cantonment.	294	} 1
			Lehong Cantonment	76	
			Total ..	370	1
			Total Protected and Other Protected Forests in Northern Circle.	543	1
			Total Reserved and Protected Forests in Northern Circle.	652,690	1,019
Khas Forests.					
<i>Tracts over which the Government has the right to</i>					
Jalpaiguri	Jalpaiguri ..	Mynaguri ..	289	} 1
			Falakata ..	648	
			Total ..	937	1
Buxa	Jalpaiguri ..	Allpur Duar ..	1,218	} 2
			Bholka ..	139	
			Total ..	1,357	2
			Total such Tracts in Northern Circle.	2,294	3

Added during the year.	Ex-cluded or trans-ferred to other heads.	Area on 31st March 1946.		Number and date of notification of addition or transfer, etc.	Remarks.
Acres.	Acres.	Acres.	Equi-valent in square miles.		
7	8	9	10	11	12
..	..	173	In charge of Military Department,
..	..	{ 294 76 }	1	....
..	..	370	1	....
..	..	543	1	....
2	2	652,690	1,019	....

levy fees for the export of Forest Produce therefrom.					
..	..	{ 289 648 }	1	....	Under Khasmahal.
..	..	937	1	....
..	..	{ 1,218 139 }	2	....	Under Khasmahal.
..	..	1,357	2	....
..	..	2,294	3	....

Division.	Range.	Civil district or territory.	Name of forest.	Area on 1st April 1945.	
				Acres.	Equivalent in square miles.
1	2	3	4	5	6
UNCLASSIFIED STATE FORESTS.					
Southern Circle.					
Chittagong Tracts.	Hill	Chittagong Hill Tracts.	.....	2,295,020	3,586
Not in any Forest Division.	.....	Bakarganj ..	.....	8,500	13
			Total ..	2,303,520	3,599
LEASED LANDS.					
Sundarbans ..	Bagerhat Khulna Satkhira. }	Khulna ..	Sundarbans {	180,433	282
	Bagerhat Namkhana. }	24-Parganas }		772,069	1,207
				Total ..	952,502
			Total of such Tracts in Southern Circle.	3,256,022	5,088
			Grand Total of such Tracts in Bengal.	3,258,316	5,091

Added during the year.	Ex-cluded or trans-ferred to other heads.	Area on 31st March 1946.		Number and date of notification of addition or transfer, etc.	Remarks.
Acres.	Acres.	Acres.	Equi-valent in square miles.		
7	8	9	10	11	12
..	..	2,295,020	3,586	....
..	..	8,500	18	....
..	..	2,303,520	3,599	....
..	..	180,433	282	....
..	..	772,069	1,207	....
..	..	982,502	1,489	....
..	..	3,256,022	5,088	....
..	..	3,258,816	5,091	....

Division.	Range.	Civil district or territory.	Name of forest.	Area on 1st April 1945.	
				Acres.	Equivalent in square miles.
1	2	3	4	5	6
RESERVED FORESTS.					
(Under the Forest Directorate.)					
Southern Circle.					
Sundarbans ..	Bagerhat ..	} Khulna ..	} Sundarbans. {	1,482,579	2,316
	Khulna ..			1,042,815	1,630
	Satkhira ..				
	Basirhat ..	} 24-Parganas	}		
	Namkhana ..				
			Total ..	2,525,394	3,946
Chittagong ..	....	Chittagong ..	....	397,509	621
		Chittagong Hill Tracts.	Sangoo and Matal-mari.	184,960	289
			Total ..	582,469	910
Chittagong Hill Tracts	....	Chittagong Hill Tracts.	....	636,906	995
			Total ..	636,906	995
Dacca-Mymensingh..	....	Dacca ..	Atia	677	1
		Mymensingh ..	Atia	41,427	65
			Total ..	42,104	66
			Total Reserved Forests in Southern Circle.	3,786,873	5,917

Added during the year.	Ex-cluded or trans-ferred to other heads.	Area on 31st March 1946.		Number and date of notification of addition or transfer, etc.	Remarks.
Acres.	Acres.	Acres.	Equi-valent in square miles.		
7	8	9	10	11	12
..	..	1,482,579	2,316	....
..	..	1,042,815	1,630	....
..	..	2,525,394	3,946	....
..	9	397,500	621	14207-For., dated 16th July 1945.	
..	..	184,960	289	....
..	9	582,460	910	....
2.03 sq. miles. or 1,235 acres.	..	638,141	997	6184/S.. dated 12th December 1945.	
1,235 acres.	..	638,141	997	....
..	..	677	1	....
..	..	41,427	65	....
..	..	42,104	66	....
1,235 acres.	9	3,788,099	5,919	....

Division.	Range.	Civil district or territory.	Name of forest.	Area on 1st April 1945.	
				Acres.	Equivalent in square miles.
1	2	3	4	5	6
OTHER RESERVED FORESTS.					
Southern Circle.					
Chittagong	Chittagong ..	Dudpukuria ..	1	..
			Rezu-Cox's Bazar	9	..
			Total other Forests in Southern Circle.	10	..
PROTECTED FORESTS.					
(Under Forest Directorate.)					
Chittagong	Chittagong ..	....	89,515	140
Dacca-Mymensingh	Dacca ..	Bhowal ..	38,975	58
		Mymensingh ..	Bhowal ..	529	} 7
			Muktagacha Ataniraj	4,338	
			Total ..	41,842	65
			Total Protected Forests in Southern Circle.	131,357	205
			Total Reserved and Protected Forests in Southern Circle.	3,918,240	6,122
			Grand Total of all Reserved and Protected Forests in Bengal.	4,570,930	7,141

Added during the year.	Ex-cluded or trans-ferred to other heads.	Area on 31st March 1946.		Number and date of notification of addition or transfer, etc.	Remarks.
Acres.	Acres.	Acres.	Equi-valent in square miles.		
7	8	9	10	11	12
..	..	1	
..	..	9	
..	..	10*	*In charge of Works and Buildings Directorate and the District Board.
..	..	88,515	140		
..	..	36,975	58	....
..	..	{ 529 4,338 }	7	....
..	..	41,842	65	....
..	..	131,357	205	....
1,235	9	3,919,466	6,124	....
1,237	11	4,572,156	7,143	....

FORM

[Paragraph

Progress made in Forest Settlements

Division.	Civil district or territory.	Name of forest.
1	2	3
Northern Circle.		
Kalimpong	Darjeeling	Dalapchen Ridge
		Total in Northern Circle ..
Southern Circle. ..	.. ..	.. ..
		Grand Total in Bengal ..

No. 8.

6.]

during the year 1945-46.

Area in square miles.			Cost during year.		Entire cost per square mile of area as finally settled.	Government notification of settlement.	
Finally settled during year.	In hand at commencement of year but not yet finally settled.	Taken in hand during year.	In forest accounts.	In other accounts.		No.	Date.
4	5	6	7	8	9	10	11
..	0.54	..	Rs.	Rs.	Rs.	7510-For.	18th July 1942.
..	0.54	..	..	..	..	..	..
..
..	0.54	..	..	..	..	..	..

FORM

[Paragraph

Record of Demarcation and

Division.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at close of the year.	Length of boundaries still to be demarcated at close of the year.
1	2	3	4	5	6
	Miles.	Miles.	Miles.	Miles.	Miles.
RESERVED FORESTS.					
Northern Circle.					
Darjeeling	115	43	158	..
Kalimpong	142	70	212	..
Kurseong	110	3	122	..
Jalpaiguri	180	..	180	3
Buxa	185	53	238	..
Total Northern Circle	741	169	910	3
RESERVED FORESTS.					
Southern Circle.					
Sundarbans	10	15	25	..
Chittagong	9	1,365	1,374	..
Chittagong Hill Tracts	157	168	325	..
Dacca-Mymensingh	517	1,550	2,067	..
Total	693	3,098	3,791	..
PROTECTED FORESTS.					
Dacca-Mymensingh	362	1,915	2,277	..
Total Southern Circle	1,055	5,013	6,068	..
Grand Total in Bengal	1,796	5,182	6,978	3

N.B.—Boundaries include besides the outer perimeter, the limits of enclosures of private or other lands

No. 9.

7.]

Maintenance of Boundaries, 1945-46.

Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.		Remarks.
		On new work.	On repairs.	
7	8	9	10	11
Miles.	Miles.	Rs.	Rs.	
74	232	..	724	
73	285	..	1,462	
129	251	..	1,150	
150	333	..	2,000	
97	335	..	2,530	
523	1,436	..	7,866	
488	513	..	Nil	
303	1 677	..	168	
45	370	..	1,500	
..	2,067	..	2,283	
836	4,627	..	3,951	
..	2,277	..	301	
836	6,904	..	4,252	
1,359	8,340	..	12,118	

within the forests, but not the limits of subdivisions, such as compartments and coupes, etc.

FORM

[Paragraph

Statement showing forest areas surveyed and under survey

Division.	Topographical Surveys.					
	Special Surveys paid for by Forest Department.					
	Previous.		Of the year.		Cost.	
	4" = 1 M.	2" = 1 M.	4" = 1 M.	2" = 1 M.	Incurred during year.	Total to the end of year.
	2	3	4	5	6	7
1	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Rs.	Rs.
NORTHERN CIRCLE.						
Reserved Forests.						
Darjeeling	111	..	..	..	..	12,315
Kalimpong	221	..	..	..	..	19,385
Kurseong	112	..	..	..	..	7,702
Jalpaiguri	179	..	..	..	..	20,819
Buxa	311	..	..	..	..	36,844
Total	934	..	..	..	..	97,065
Protected Forests.						
Darjeeling .. ..	..	..	..	..	..	..
Kalimpong .. ..	..	..	..	..	..	..
Total Northern Circle ..	934	..	..	..	..	97,065
SOUTHERN CIRCLE.						
Reserved Forests.						
Sundarbans .. ..	..	3,901	..	..	..	2,96,298
Chittagong .. ..	..	..	..	..	..	..
Chittagong Hill Tracts ..	..	..	..	..	..	..
Dacca-Mymensingh .. ..	..	..	..	..	..	..
Total .. ..	..	3,901	..	..	..	2,96,298
Protected Forests.						
Chittagong .. ..	..	..	..	..	..	..
Dacca-Mymensingh .. ..	..	..	..	..	..	..
Total .. ..	..	..	..	..	..	..
Total Southern Circle ..	..	3,901	..	..	..	2,96,298
Grand Total in Bengal ..	934	3,901	..	..	..	3,93,363

*The difference of 2 miles was due to revision of area of Sitapahar Reserve from 20·65 sq. miles to

No. 10.

8.]

by the Survey of India Department during the year 1945-46.

Ordinary Surveys not paid for by Forest Department.				Boundary Surveys.		Total area surveyed.	Area remaining to be surveyed.	Total area as per Form 7.
Previous.		Of the year.		Previous.	Of the year.			
2" = 1 M.	Smaller scales.	2" = 1 M.	Smaller scales.					
8	0	10	11	12	13	14	15	16
Sq. m.	Sq. m.	Sq. m.	Sq. m.	L. m.	L. m.	Sq. m.	Sq. m.	Sq. m.
..	..	..	..	..	..	111	2	113
..	..	..	..	..	..	221	4	225
..	..	..	..	..	..	112	..	112
..	..	..	..	..	..	179	14	193
..	42	..	..	..	..	353	22	375
..	42	..	..	..	..	976	42	1,018
..	..	..	..	..	..	..	1	1
..
..	42	..	..	..	..	976	43	1,019
..	..	..	..	..	..	3,901	45	3,946
..	808	..	..	..	..	808	102	910
..	*997	..	..	..	..	997	..	997
..	..	..	..	..	..	..	66	66
..	1,805	..	..	..	..	5,706	213	5,919
..	..	..	..	..	..	..	140	140
..	..	..	..	..	..	..	65	65
..	..	..	..	..	..	..	205	205
..	1,805	..	..	..	..	5,706	418	6,124
..	1,847	..	..	..	..	6,682	461	7,143

22-68 sq. miles vide officer-in-charge No. 5 Party (E. C.)'s letter No. 47/44F4/618, dated the 3rd May 1945.

FORM

[Paragraphs

Progress made in Working Plans

Division.	Area under sanctioned working plans.					Area not under working plans.		
	At commencement of year.	Added during year.	Deducted during year.	At close of year.		Plans under preparation.	Plans not under preparation.	
				Actual area.	Percentage of total forest area (as shown in column 10).		Required at present.	Not required at present.
1	2	3	4	5	6	7	8	9
	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Per cent.	Sq. m.	Sq. m.	Sq. m.
NORTHERN CIRCLE.								
Reserved Forests.								
Darjeeling	112	..	..	112	100	..	1	..
Kalimpong .. ..	..	..	..	..	..	225	..	..
Kurseong	112	..	..	112	100	..	..	..
Jalpaiguri	192	..	..	192	99	..	..	1
Buxa	367	..	..	367	97	5	..	3
Total ..	783	..	..	783	77	230	1	4
Protected Forests.								
Darjeeling .. ..	..	..	..	..	..	..	1	..
Total Northern Circle	783	..	..	783	77	230	2	4
SOUTHERN CIRCLE.								
Reserved Forests.								
Sundarbans	3,946	..	..	3,946	100	..	..	..
Chittagong .. ..	..	..	..	..	..	..	910	..
Chittagong Hill Tracts ..	..	..	..	..	..	997	..	..
Dacca-Mymensingh ..	66	..	..	66	100	..	..	..
Total ..	4,012	..	..	4,012	..	997	910	..
Protected Forests.								
Chittagong .. ..	..	..	..	..	..	..	..	(b)140
Dacca-Mymensingh ..	48	..	..	48	74	17	..	..
Total ..	48	..	..	48	23	17	..	140
Total Southern Circle	4,060	..	..	4,060	66	1,014	910	140
Grand Total in Bengal ..	4,843	..	..	4,843	68	1,244	912	144

No. 11.

9-10.]

during the year 1945-46.

Total forest area in form No. 7 (total of columns 5, 7, 8 and 9).	Revisions.			Expenditure on working plans during the year.	Remarks.
	Due or required.	In progress at end of year.	Revised plans sanctioned during year.		
10	11	12	13	14	15
Sq. m.	Sq. m.	Sq. m.	Sq. m.	Rs.	
113	..	..	..	..
225	..	..	..	100	
112	..	..	..	330	
193	192	192	..	340	
375	374	374	..	85	
1,018	566	566	..	855	
1	..	..	..	..
1,019	566	566	..	855	
3,946	..	..	..	..
910	910	..	..	..
997	997	(a)997	..	..	(a) Working Scheme for 10 years has been sanctioned under Board of Revenue, No. 14134E.A., dated 30th November 1945.
66	..	..	..	..
5,919	1,907	997	..	..
140	140	..	..	..
65	..	..	..	..	(b) Working Scheme will be prepared by Divisional Forest Officer during 1946-47.
205	140	..	..	..
6,124	2,047	997	..	..
7,143	2,613	1,563	..	855	

FORM

[Paragraphs]

Statement showing communications and

Division.	New works					
	Buildings.					Cart- Length.
	Expenditure on—				Total expenditure incurred.	
	Headquarters houses.	Rest houses.	Houses for sub- ordinate estab- lishment.	Others.		
1	2(a)	2(b)	2(c)	2(d)	3	4(a)
	Rs.	Rs.	Rs.	Rs.	Rs.	Miles.
NORTHERN CIRCLE.						
Darjeeling	4,075	..	4,075	4
Kalimpong	2,500	7,976	..	10,476	..
Kurseong	1,850	1,600	3,450	..
Bengal Forest School	1,460	..	1,460	..
Jalpaiguri	3,015	19,425	1,050	23,490	6
Buxa	19,265	900	20,165	..
Total Northern Circle	5,515	54,651	3,550	63,716	10
SOUTHERN CIRCLE.						
Sundarbans	2,998	..	2,998	..
Chittagong	9,990	..	9,990	..
Chittagong Hill Tracts	3,200	4,100	..	7,300	..
Dacca-Mymensingh	4,752	..	4,752	..
Total Southern Circle	3,200	21,840	..	25,040	..
Grand Total in Bengal	8,715	76,491	3,550	88,756	10

No. 12.

11-14.]

buildings during the year 1945-46.

undertaken during the year.

Roads and paths.							Other works.	Total expenditure on new works.
roads.	Bridle-paths.		Others.		Total length of paths or roads.	Total expenditure incurred.	Expenditure incurred.	
Cost.	Length.	Cost.	Length.	Cost.				
4(b)	4(c)	4(d)	4(e)	4(f)	5	6	7	8
Rs.	Miles.	Rs.	Miles.	Rs.	Miles.	Rs.	Rs.	Rs.
15,000	4	15,000	..	19,075
2,732	..	3,700	..	..	..	6,432	..	16,908
22,450	22,450	..	25,900
..	1,460
13,000	6	13,000	3,350	39,840
..	20,165
53,182	..	3,700	..	..	10	56,882	3,350	1,23,948
..	2,998
..	9,990
..	7,300
..	2,261	7,013
..	2,261	27,301
53,182	..	3,700	..	..	10	56,882	5,611	1,51,249

Division.	Repairs					
	Buildings.					Cart- Length.
	Expenditure on—				Total expenditure incurred.	
	Headquarters houses.	Rest houses.	Houses for sub- ordinate estab- lishment.	Others.		
1	9(a)	9(b)	9(c)	9(d)	10	11(a)
	Rs.	Rs.	Rs.	Rs.	Rs.	Miles.
NORTHERN CIRCLE.						
Darjeeling	237	2,455	2,894	1,752	7,338	26
Kalimpong	398	2,003	4,042	349	6,792	50
Kurseong	437	2,091	2,936	88	5,552	81
Bengal Forest School ..	258	..	1,742	..	2,000	..
Jaipalguri	2,463	2,754	4,596	970	10,783	167
Buxa	364	8,857	16,522	4,929	30,672	274
Total Northern Circle ..	4,157	18,160	32,732	8,088	63,137	598
SOUTHERN CIRCLE.						
Sundarbans	341	..	2,331	508	3,180	..
Chittagong	1,614	6,437	29,558	94	37,703	26
Chittagong Hill Tracts ..	310	1,764	6,278	423	8,775	1
Dacca-Mymensingh .. ..	..	180	2,703	11	2,894	..
Total Southern Circle ..	2,265	8,381	40,870	1,036	52,552	27
Grand Total in Bengal ..	6,422	26,541	73,602	9,124	1,15,089	625

Note :—

	Northern Circle.	Southern Circle.	Total.
	Rs.	Rs.	Rs.
(1) Column (8)	1,23,048	27,301	1,51,249
(2) Column (15)	1,64,575	73,997	2,38,572
(3) Pay and travelling allowance of chaukidars and durwans	19,186	18,374	37,560
(4) Advance expenditure on Post-war Reconstruc- tion Scheme No. 143—Improvement of communications, buildings and watersupply in Government forests	20,000	..	20,000
Total ..	3,27,709	1,19,672	4,47,381

executed during the year.

Roads and paths.							Other works.	
roads.	Bridle-paths.		Others.					
Cost.	Length.	Cost.	Length.	Cost.	Total length of paths or roads.	Total expenditure incurred.	Total expenditure incurred.	Total expenditure incurred.
11(h)	11(c)	11(d)	11(e)	11(f)	12	13	14	15
Rs.	Miles.	Rs.	Miles.	Rs.	Miles.	Rs.	Rs.	Rs.
22,215	242	2,099	21	129	289	24,443	1,618	33,399
3,703	80	1,221	34	466	164	5,390	1,502	13,684
8,904	156	3,142	..	..	237	12,046	1,998	19,506
..	..	..	..	..	..	..	1,270	3,270
10,373	4	127	1	..	172	10,500	1,920	23,203
29,214	94	1,711	35	1,376	403	32,301	8,450	71,423
74,409	576	8,300	91	1,971	1,265	84,680	16,758	1,64,575
..	..	..	..	..	..	..	1,871	5,051
2,640	165	2,813	25	497	216	5,950	6,189	49,842
127	98	1,720	100	2,833	199	4,680	1,410	14,865
..	..	..	..	..	..	..	1,345	4,239
2,767	263	4,533	125	3,330	415	10,630	10,815	73,997
77,176	839	12,833	216	5,301	1,680	95,310	27,573	2,38,572

Expenditure in Accountant-General's Form No. 24 —

					Total
Roads—					Rs.
A. III d ..	..	..	..	..	1,51,792
Buildings—					
A. III e ..	..	..	..	..	2,59,905
Other works—					
A. III f ..	..	..	..	..	35,043
Total					4,46,740

The discrepancy is mainly due to the fact that Conservator of Forest, Northern Circle, incurred on expenditure of Rs. 652/ under A. III f which has not been shown by Accountant-General, Bengal in his form No. 24.

FORM

[Paragraphs

Statement showing register of breaches

Division.	Cases pending from previous year.			New cases					
				Injury to forest by fire.			Unauthorised felling.		
	A	B	All	A	B	C	A	B	C
1	2	3	4	5	6	7	8	9	10
NORTHERN CIRCLE.									
Darjeeling ..	..	5	5	..	1	..	5	132	..
Kalimpong ..	..	11	11	..	..	16	..	14	1
Kurseong ..	..	8	8	..	..	18	..	24	..
Jalpaiguri ..	..	35	35	..	..	15	..	53	3
Buxa ..	1	10	17	..	..	19	..	31	..
Total Northern Circle.	1	75	76	..	1	68	5	254	4
SOUTHERN CIRCLE.									
Sundarbans ..	48	8	(a) 56	..	..	..	30	262	79
Chittagong ..	74	170	(b) 244	..	..	2	94	1,423	77
Chittagong Hill Tracts.	..	..	..	..	1	7	..	75	2
Dacca-Mymensingh	12	(c) 60	72	..	..	..	63	174	5
Total Southern Circle.	134	238	372	..	1	9	187	1,034	163
Grand Total in Bengal.	135	313	448	..	2	77	192	2,188	167

(a) Eight cases were transferred from A to B during the year.

(b) One hundred and seventeen cases were transferred from A to B during the year.

(c) Fifty-two cases were transferred from A to B during the year.

No. 13.

15-20.]

of Forest Rules during the year 1945-46.

of the year.									Total cases.			
Unauthorised grazing.			Other offences.			Total.						
A	B	C	A	B	C	A	B	C	A	B	C	All
11	12	13	14	15	16	17	18	19	20	21	22	23
..	51	..	9	203	..	14	447	..	14	452	..	466
..	154	..	1	241	..	1	409	17	1	420	17	438
..	19	..	6	180	..	6	223	18	6	231	18	255
..	291	..	1	204	2	1	548	20	1	583	20	604
..	143	..	4	204	..	4	378	19	5	394	19	418
..	658	..	21	1,002	2	26	2,005	74	27	2,080	74	2,181
..	1	..	37	3,641	2	67	3,904	81	115	3,912	81	4,108
3	13	..	75	53	..	172	1,489	79	246	1,659	79	1,984
..	3	..	..	33	1	..	112	10	..	112	10	122
..	5	..	13	234	..	76	413	5	88	473	5	566
3	22	..	125	3,961	3	315	5,918	175	449	6,156	175	6,780
3	680	..	140	5,053	5	341	7,923	249	476	8,236	249	8,961

Division.	Disposed of during							
	Convictions.				Acquittals.			
	Cases.		Persons.		Cases.		Persons.	
	A	B	A	B	A	B	A	B
	24	25	26	27	28	29	30	31
1								
NORTHERN CIRCLE.								
Darjeeling	1	444	1	614	..	..	..	6
Kalimpong .. ..	..	415	..	574	..	..	..	..
Kurseong	2	225	3	352	..	..	..	..
Jalpaiguri .. ..	..	552	..	998	..	3	..	8
Juxa	1	386	3	804	..	..	..	..
Total Northern Circle ..	4	2,022	7	3,342	..	3	..	14
SOUTHERN CIRCLE.								
Sundarbans	66	3,912	141	5,104	3	..	5	..
Chittagong	141	1,631	216	2,729	8	2	13	9
Chittagong Hill Tracts ..	..	112	..	140	..	..	..	..
Dacca-Mymensingh ..	10	471	23	684	..	2	..	7
Total Southern Circle ..	217	6,126	380	8,657	11	4	18	16
Grand Total in Bengal ..	221	8,148	387	11,990	11	7	18	30

the year.						Cases pending at close of year.		
Total.								
Cases.			Persons.					
A	B	All	A	B	All	A	B	All
32	33	34	35	36	37	38	39	40
1	444	445	1	614	615	13	8	21
..	415	415	..	574	574	1	5	6
2	225	227	3	352	355	4	6	10
..	555	555	..	1,006	1,006	1	28	29
1	386	387	3	804	807	4	8	12
4	2,025	2,029	7	3,350	3,357	23	55	78
69	3,912	3,981	146	5,104	5,250	46		46
149	1,633	1,782	229	2,738	2,907	97	26	123
..	112	112	..	140	140	..	..	..
10	473	483	23	691	714	78	..	78
228	6,130	6,358	398	8,673	9,071	221	26	247
232	8,155	8,387	405	12,029	12,434	244	81	325

FORM No. 14.

[Paragraph 21.]

Area of Forest Tracts protected from fire during 1945-46,

Division.	Forest Range.	Year in which protection commenced.	Area attempted to be protected in 1944-45.	Area actually protected in 1944-45.	Area attempted to be protected in 1945-46.	Failures.	Area actually protected in 1945-46.	Cost.
1	2	3	4	5	6	7	8	9
NORTHERN CIRCLE.			Acres.	Acres.	Acres.	Acres	Acres.	Rs.
Darjeeling ..	Tonglu ..	1891-92	14,766	14,766	14,766	..	14,766	..
	Singailia ..	1891-92	27,686	27,686	27,686	3	27,683	..
	Plantation areas.							
	Senchal ..	1879-80	11,613	11,601	12,124	24	12,100	2,559
	Ghum Simana ..	1879-80						
	Takdah ..	1885-86						
	Tista Valley ..	1881-82						
	Darjeeling ..	1918-19						
	Total ..	..	54,065	54,053	54,576	27	54,549	2,559
Kalimpong ..	Kalimpong ..	1879-80	18,135	18,105	18,135	210	17,925	1,324
		1885-86						
		1903-04						
		1906-07						
	Chel ..	1879-80	32,825	32,037	32,825	2,792	30,033	..
	Neora ..	1879-80	16,976	16,976	16,976	15	16,961	..
	Jaldhaka ..	1879-80	26,205	26,170	26,205	1,309	24,896	..
	Pankasari ..	1924-25	40,393	40,393	40,393	79	40,314	..
	Reclamation ..	1942-43	173	173	..	..	173	..
		1944-45	188	188	188	..	188	..
	Total ..	..	134,895	134,042	134,895	4,405	130,490	1,324
Kurseong ..	Sukna ..	1876-85	9,604	9,463	9,604	553	9,051	926
	Bagdogra ..	1876-85	7,388	7,348	7,388	..	7,388	194
	Pankhabari ..	1876-85	9,352	9,182	9,352	51	9,301	289
	Bevoke ..	1876-85	10,752	10,695	10,752	839	9,913	884
	Kurseong ..	1919-20	1,687	1,687	1,687	..	1,687	67
	Total ..	..	38,783	38,375	38,783	1,443	37,340	2,260
Jalpaiguri ..	Apalchand ..	1878-79	15,124	14,650	15,124	5,161	9,963	..
		1931-32						
	Tondur-Diana ..	1878-79	69,597	69,507	69,597	25	69,572	..
		1908-09						
		1931-32						
	Moraghat ..	1872-73	17,719	17,719	17,719	101	17,618	1,350
		1878-79						
		1881-82						
		1904-05						
		1907-08						
	Madaribhat ..	1904-05	17,267	17,267	17,267	..	17,267	..
		1931-32						
	Total ..	..	1,19,707	1,19,152	1,19,707	5,287	1,14,420	1,350

Division.	Forest Range.	Year in which protection commenced.	Area attempted to be protected in 1944-45.	Area actually protected in 1944-45.	Area attempted to be protected in 1945-46.	Failures.	Area actually protected in 1945-46.	Cost.
1	2	3	4	5	6	7	8	9
NORTHERN CIRCLE-concd.			Acres.	Acres.	Acres.	Acres.	Acres.	Rs.
..	Rajabhatkhawa	1876-77 1905-06 1924-25	1,985	1,985	2,045	25	2,020	349
	Damanpur ..	1924-25	3,435	3,435	3,435	1	3,434	100
	Buxa-Duar ..	1876-77 1905-06 1920-21 1922-23 1941-42	1,042	1,042	1,042	5	1,037	500
	Chilapata ..	1879-80 1883-84 1888-89 1890-91 1895-96 1922-23 1940-41	3,454	3,452	6,680	14	6,666	300
	Nilpara ..	1879-80 1883-84 1923-24 1936-37 1938-39 1939-40	11,903	11,903	11,903	115	11,788	300
	Rydak ..	1878-79 1895-96 1922-23 1923-24	532	527	570	103	467	200
	Bholka ..	1878-79 1882-83 1895-96 1899-1900	1,208	1,196	1,432	115	1,317	253
	Total ..	..	23,559	23,540	27,107	378	26,729	2,002
	Total Northern Circle.	Total in Northern Circle.	371,009	369,162	375,068	11,540	363,528	9,495
SOUTHERN CIRCLE.								
Chittagong Hill Tracts.	..		3,542	3,400	3,800	77	3,723	850
Dacca-Mymensingh.	Rajendrapur ..	1939-40	6,254	6,252	6,857	..	6,857	599
	Sripur ..	1939-40	6,537	6,537	7,283	..	7,283	600
	Patharghata ..	1939-40	6,215	6,215	7,023	..	7,023	500
	Dhalapara ..	1939-40	4,490	4,426	5,971	75	5,896	700
	Total ..	..	23,496	23,430	27,134	75	27,059	2,399
	Total Southern Circle.	..	27,038	26,830	30,934	152	30,782	3,249
	Grand Total in Bengal.	..	398,047,	395,992	406,002	11,692	394,310	12,744

FORM

[Paragraph
Causes of Forest

Division or Circle.	(A) Fires caused by accident or through careless- ness in burning fire-lines.		(B) Fires enter- ing the forests by crossing exterior fire- traces.		(C) Fires beginning inside the							
					Owing to carelessness or accident.							
					By workmen employed in the forests, by purchasers of forest-pro- duce and by F'a cutters.		By villagers, travellers, etc., passing through the forests.		By railway engines.		By light- ning or by fire balloons.	
					No. of fires.	Area burnt, in acres.	No. of fires.	Area burnt, in acres.	No. of fires.	Area burnt, in acres.	No. of fires.	Area burnt, in acres.
1	2	3	4	5	6	7	8	9	10	11	12	13
NORTHERN CIRCLE.												
Darjeeling ..	..	..	..	..	..	..	4	20	1	7	..	..
Kalimpong ..	..	..	..	..	..	..	15	4,390	..	..	..	..
Kurseong ..	..	..	2	203	..	..	7	601	6	586	..	..
Jalpaiguri ..	..	..	..	..	..	..	1	2,411	..	..	..	..
Buxa ..	6	236	..	..	..	..	5	128	..	..	..	..
Total Northern Circle ..	6	236	2	203	..	..	32	7,550	7	593	..	..
SOUTHERN CIRCLE.												
Chittagong Hill Tracts ..	..	..	..	..	..	..	..	..	..	..	..	..
Dacca-Mymen- singh ..	..	..	..	..	..	..	..	..	..	..	..	..
Total Southern Circle ..	..	..	..	..	..	..	..	..	..	..	..	..
Grand Total, Bengal ..	6	236	2	203	..	..	82	7,550	7	593	..	..

No. 15.

21.]

Fires, 1945-46.

reserve or fire-traced area.

By intentional firing.						Total.		Causes unknown.		Total (A), (B) and (C).	
In order to obtain new grass.		In order to turn out game or to reduce cover.		Maliciously fired.							
No. of fires.	Area burnt, in acres.	No. of fires.	Area burnt, in acres.	No. of fires.	Area burnt, in acres.	No. of fires.	Area burnt, in acres.	No. of fires.	Area burnt, in acres.	No. of fires.	Area burnt, in acres.
14	15	16	17	18	19	20	21	22	23	24	25
..	5	27	..	..	5	27
..	15	4,390	1	15	16	4,405
..	13	1,187	3	53	18	1,443
..	1	2,411	14	2,876	15	5,287
..	5	128	1	14	12	378
..	39	8,143	19	2,958	66	11,540
..
..	7	77	7	77
..	75	..	75
..	7	152	7	152
..	39	8,143	26	3,110	73	11,692

FORM No. 16.

[Paragraphs 22-26.]

Statement of areas closed and open to grazing in Bengal during 1945-46.

(Area in square miles.)

Division.	Area closed to grazing of all animals throughout the year.	Area open to grazing throughout the year.		Balance, that is, area open to grazing for a part of the year (and therefore closed for the remainder).		Total.
		Of all animals.	Of non-browsers only.	Of all animals.	Of non-browsers only.	
1	2	3	4	5	6	7
	Sq. miles.	Sq. miles.	Sq. miles.	Sq. miles.	Sq. miles.	Sq. miles.
NORTHERN CIRCLE.						
Reserved Forests.						
Darjeeling ..	49	..	64	..	..	113
Kalimpong	162	..	63	..	..	225
Kurseong ..	82	..	30	..	..	112
Jalpaiguri	190	..	..	..	3	193
Buxa	368	..	7	..	..	375
Total ..	851	..	164	..	3	1,018
Protected Forests.						
Darjeeling.. ..	1	..	..	..	..	1
Total ..	1	..	..	..	..	1
Total Northern Circle	852	..	164	..	3	1,019
SOUTHERN CIRCLE.						
Reserved Forests.						
Sundarbans	3,946	..	..	..	..	3,946
Chittagong	326	459	1	..	124	910
Chittagong Hill Tracts ..	997	..	..	..	..	997
Dacca-Mymensingh	6	60	..	..	..	66
Total ..	5,275	519	1	..	124	5,919
Protected Forests.						
Chittagong .. ..	..	140	..	..	..	140
Dacca-Mymensingh	7	58	..	..	..	65
Total ..	7	198	..	..	..	205
Total Southern Circle	5,282	717	1	..	124	6,124
Grand Total in Bengal	6,134	717	165	..	127	7,143

FORM No. 17.

FORM

[Paragraphs

Return of grazing in the State

Division.	Grazing on payment—Number of animals.												
	At full rates.						At privileged rates.						
	2	3	4	5	6	7	8	9	10	11	12	Fees received.	
												13	14
1	2	3	4	5	6	7	8	9	10	11	12	13	14
						Rs.						Rs.	Rs.
NORTHERN CIRCLE.													
Darjeeling ..	10	858	108	..	42	5,906	..	..	..	..	..	..	..
Kalimpong ..	..	14	..	..	..	64	26	2,064	..	..	..	3,068	9,201
Kurseong ..	..	25	..	..	..	148	..	..	..	..	..	..	..
Jalpaig ..	70	..	..	..	..	1,471	..	..	..	..	..	..	..
Buxa ..	20	23	..	..	2	585	..	..	..	..	5	5	228
Total Northern Circle	106	920	108	..	44	8,264	26	2,064	..	..	5	3,073	9,429
SOUTHERN CIRCLE.													
Sundarbans ..	..	..	8	..	..	4	..	..	..	..	..	..	..
Chittagong ..	2,860	23,617	..	..	12	6,031	..	..	..	..	..	..	..
Chittagong Hill Tracts	..	..	..	..	..	..	..	..	..	..	..	..	..
Dacca-Mymensingh	..	..	..	..	..	..	..	..	..	..	..	..	..
Total Southern Circle	2,860	23,617	8	..	12	6,035	..	..	..	..	..	..	..
Grand Total in Bengal	2,966	24,537	116	..	56	14,299	26	2,064	..	..	5	3,073	9,429

No. 17.

22-26.]

Forests of Bengal during 1945-46.

Grazing free—Number of animals.													
By right under Settlement.						During pleasure of Government, or otherwise than under Settlement.						Total value of fees at full rates.	Grand Total of value at full rates.
15	16	17	18	19	20	21	22	23	24	25	26			27	28
Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other animals.	Value of fees at full rates.		
Rs.											Rs.	Rs.	Rs.
..	5,996
..	9,265
..	148
..	1,471
..	8	..	..	1	54	54	867
..	8	..	..	1	54	54	17,747
..	4
..	6,031
..	60	..	..	..	8	8	8
..	26,000	..	..	..	26,000	26,000	26,000
..	26,060	..	..	..	26,068	26,068	32,043
..	26,068	..	..	1	26,062	26,062	49,790

FORM No. 18.

[Paragraphs 27-32.]

**Progress in Concentrated Regeneration and Afforestation during 1945-46
in Bengal.**

Division.	Area under concentrated natural regeneration during the year.	Area regenerated mainly by coppice during the year.	Area artificially regenerated during the year.		Total cost of regeneration operations during the year.
			In existing tree forest.	Afforestation.	
1	2	3	4	5	6
	Acres.	Acres.	Acres.	Acres.	Rs. a. p.
Northern Circle.					
Darjeeling ..	..	..	641	..	15,400 0 0
Kalimpong ..	..	861	334	..	21,954 0 0
Kurseong ..	36	..	340	..	24,013 0 0
Jalpaiguri ..	..	315	296	..	15,600 0 0
Buxa ..	..	245	653	..	27,840 0 0
Total Northern Circle	36	921	2,264	..	1,04,816 0 0
Southern Circle.					
Sundarbans ..	..	..	..	..	..
Chittagong ..	..	..	23	..	6,761 0 0
Chittagong Hill Tracts	631	..	493	..	18,297 0 0
Dacca-Mymensingh ..	..	2,305	..	..	14,135 0 0
Total Southern Circle	631	2,305	521	..	39,193 0 0
Grand Total, Bengal ..	667	3,226	2,785	..	1,44,009 0 0

Column 2—Includes all parts of Periodic Block I in process of natural regeneration.

Column 3—Shows coppice coupes felled during the year.

Column 4—Includes only those plantations first formed during the year.

Column 5—Includes lands artificially converted to forest during the year.

Column 6—Includes all costs of obtaining and of tending natural or artificial young crops, i.e., the total of budget sub-head A IVb.

FORM No. 19.

FORM

[Paragraph

Outturn (in thousands of cubic feet solid) of timber and

Division.	Timber in the rough; Logs.				
	Govern- ment.	Pur- chasers.	Free Grantees.	Right- holders.	Total.
	2	3	4	5	6
1	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
NORTHERN CIRCLE.					
Reserved Forests.					
Darjeeling	1	212	..	..	213
Kallimpong	25	231	..	..	256
Kurseong	303	38	..	..	341
Jalpaiguri	51	736	..	..	787
Buxa	167	518	2	..	687
Total Northern Circle ..	547	1,735	2	..	2,284
SOUTHERN CIRCLE.					
Reserved Forests.					
Sundarbans	187	2,338	..	..	2,525
Chittagong	18	351	..	..	369
Chittagong Hill Tracts	63	20	..	..	80
Dacca-Mymensingh.. .. .	..	4	..	..	4
Total ..	268	2,719	..	..	2,987
Protected Forests.					
Chittagong .. .. .	..	117	..	..	117
Dacca-Mymensingh .. .. .	..	25	..	..	25
Total ..	..	142	..	..	142
Unclassed State Forests.					
Chittagong .. .. .	..	32	..	..	32
Chittagong Hill Tracts	3	334	..	..	337
Total ..	3	366	..	..	369
Leased Lands.					
Sundarbans .. .. .	..	..	..	..	..
Total ..	..	..	..	..	..
Total Southern Circle ..	271	3,227	..	..	3,498
Grand Total in Bengal ..	818	4,962	2	..	5,782

No. 19.

33.]

fuel during the year 1945-46, and Agency of Exploitation.

Timber in the rough ; Poles.					Sawn or square timber.				
Government.	Purchasers.	Free Grantees.	Right-holders.	Total.	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.
7	8	9	10	11	12	13	14	15	16
C.ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
1	1	..	..	2	3	..	..	..	3
2	..	20	..	22	..	..	..	..	..
20	6	..	..	26	350	11	..	..	370
6	2	..	..	8	14	..	..	..	14
2	18	2	..	22	..	..	..	..	..
31	27	22	..	80	376	11	..	..	387
512	4,663	48	..	5,223	5	..	..	..	5
11	678	..	..	689	12	..	..	..	12
13	28	..	..	41	2	..	..	..	2
2	339	..	..	341	1	..	..	..	1
538	5,708	48	..	6,294	20	..	..	..	20
..	6	..	..	6	..	1	..	..	1
1	479	..	..	480	..	..	..	..	..
1	485	..	..	486	..	1	..	..	1
..	99	..	..	99	..	65	..	..	65
..	75	..	..	75	..	2	..	..	2
..	174	..	..	174	..	67	..	..	67
..	13	..	..	13	..	..	..	..	..
..	13	..	..	13	..	..	..	..	..
539	6,380	48	..	6,907	20	68	..	..	88
570	6,407	70	..	7,047	396	70	..	..	475

Division.	Miscellaneous.				
	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.
	17	18	19	20	21
NORTHERN CIRCLE.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Reserved Forests.					
Darjeeling .. .. .	..	..	..	..	..
Kalimpong	4	..	..	..	4
Kurseong	1	3	..	..	4
Jalpaiguri	3	..	..	..	3
Buxa	2	..	..	..	2
Total Northern Circle ..	10	3	..	..	13
SOUTHERN CIRCLE.					
Reserved Forests.					
Sundarbans .. .. .	..	..	..	..	..
Chittagong .. .. .	..	25	..	..	25
Chittagong Hill Tracts .. .. .	..	..	..	..	..
Dacca-Mymensingh .. .. .	..	..	..	..	..
Total ..	..	25	..	..	25
Protected Forests.					
Chittagong .. .. .	..	..	..	..	..
Dacca-Mymensingh .. .. .	..	..	..	..	..
Total ..	..	..	..	..	..
Unclassed State Forests.					
Chittagong .. .. .	..	37	..	..	37
Chittagong Hill Tracts .. .. .	..	61	..	..	61
Total ..	..	98	..	..	98
Leased Lands.					
Sundarbans .. .. .	..	..	..	..	..
Total ..	..	..	..	..	..
Total Southern Circle ..	..	123	..	..	123
Grand Total in Bengal ..	10	126	..	..	136

Total Timber.					Fuel.					Total Outturn.
Government.	Pur- chasers.	Free Grantees.	Right- holders.	Total.	Government.	Pur- chasers.	Free Grantees.	Right- holders.	Total.	
22	23	24	25	26	27	28	29	30	31	32
C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
5	213	..	..	213	62	2,215	51	..	2,328	2,546
31	231	20	..	232	9	1,812	54	..	1,875	2,157
683	58	..	..	741	251	903	39	..	1,193	1,934
74	738	..	..	812	429	5,093	32	..	5,554	6,366
171	536	4	..	711	152	2,571	108	..	2,831	3,542
964	1,776	24	..	2,764	903	12,504	284	..	13,781	16,546
704	7,001	48	..	7,753	5	7,316	68	..	7,389	15,142
41	1,054	..	..	1,095	31	4,085	79	..	4,195	5,290
78	54	..	..	132	33	78	41	..	152	234
3	343	..	..	346	..	567	22	..	589	935
826	8,452	48	..	9,326	69	12,046	210	..	12,325	21,651
..	124	..	..	124	..	431	..	..	431	555
1	504	..	..	505	9	1,392	33	..	1,434	1,939
1	628	..	..	629	9	1,823	33	..	1,865	2,404
..	233	..	..	233	..	20	..	..	20	253
3	472	..	..	475	8	377	..	..	385	800
3	705	..	..	708	8	397	..	..	405	1,113
..	13	..	..	13	..	28	..	..	28	41
..	13	..	..	13	..	28	..	..	28	41
830	9,798	48	..	10,676	86	14,294	243	..	14,623	25,299
1,794	11,574	72	..	13,440	989	26,888	527	..	28,404	41,844

FORM

[Paragraph

Outturn of Minor Forest Produce

Description of produce.	Produce removed			
	By Government Agency.		By purchasers.	
	Quantity.	Value.	Quantity.	Value.
	2	3	4	5
1		Rs.		Rs.
NORTHERN CIRCLE.				
I.—Reserved Forests.				
Bamboos Nos.	8,311	522	2,339,563	10,072
Grazing Value	..	..	..	17,470
Fodder .. .. . "	..	..	..	8,217
Cane "	..	2	..	21,033
Stone C. ft.	22,280	56	4,477,246	19,600
Thatch grass Value	..	115	..	4,081
Royalty on Khedda elephants .. .. .	..	..	..	21,800
Elephant calf No.	1	3,800	..	..
Rubber Seers	39	119	..	..
Long pepper Value	..	..	..	1,987
Miscellaneous "	..	10,371	..	6,982
Total Northern Circle ..	..	14,985	..	1,11,242
SOUTHERN CIRCLE.				
I.—Reserved Forests.				
Bamboos Nos.	177,496	3,216	25,921,575	1,19,776
Sale of bamboos under Bamboo Control Scheme Value	..	15,336	..	..
Grazing .. .. . "	..	..	..	4,132
Cane Nos.	5,640	238	157,391	1,050
Cane leaves Bdles.	..	..	53,687	47
Stone C. ft.	1,500	38	314,805	7,567
Honey Mds.	3	21	11,816	17,834
Wax "	1	5	2,822	12,214
Golpatta "	6,883	464	3,020,938	1,80,820
Chaulmugra Value	..	..	..	122
Ivory Nos.	13	829	..	..
Sungrass Value	..	8	..	3,815
Garjan oil Mds.	..	6	..	4
Miscellaneous Value.	..	1,061	..	62,698
Total ..	..	21,222	..	4,10,088

No. 20.

33.]

during the year 1945-46.

or utilized.						Remarks.
By free grants.		By right-holders.		Total.		
Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
6	7	8	9	10	11	
	Rs.		Rs.		Rs.	12
..	..	..	..	2,347,874	10,594	
..	277	..	..	..	17,747	
..	339	..	..	..	8,556	
..	5	..	..	..	21,040	
165,725	415	..	..	4,565,251	20,071	
..	35	..	..	..	4,231	
..	..	..	..	..	21,800	
..	..	..	..	1	3,800	
..	..	..	..	39	119	
..	..	..	..	..	1,987	
..	55	..	..	..	17,408	
..	1,126	..	..	..	1,27,353	
..	..	..	..	26,099,071	1,22,992	
..	..	..	..	..	15,336	
..	8,008	..	..	..	12,140	
..	..	..	..	163,031	1,207	
..	..	..	..	53,687	47	
..	..	..	..	316,305	7,005	
..	..	..	..	11,819	17,855	
..	..	..	..	2,823	12,219	
..	..	..	..	3,027,821	1,81,284	
..	..	..	..	..	122	
..	..	..	..	13	829	
..	..	..	..	..	3,823	
..	..	..	..	..	10	
..	391	..	..	..	64,150	
..	8,399	..	..	..	4,39,709	

Description of produce.	Produce removed			
	By Government Agency.		By purchasers.	
	Quantity.	Value.	Quantity.	Value.
1	2	3	4	5
		Rs.		Rs.
SOUTHERN CIRCLE—concl'd.				
II.—Protected Forests.				
Bamboos Nos.	..	..	44,970	230
Stone C. ft.	..	..	100	3
Grazing Value	..	..	..	1,903
Sungrass .. .. "	..	..	..	571
Miscellaneous .. .. "	..	..	..	1,561
Total ..	..	..	..	4,277
III.—Unclassed State Forests.				
Bamboos Nos.	1,800	17	10,816,325	62,500
Cane "	53	1	204,398	2,465
Stone C. ft.	..	..	83,280	1,767
Honey Mds.	..	..	20	30
Sungrass Value	..	..	..	22,520
Chaulmugra Mds.	..	..	26	77
Ivory Tolas	90	7	..	..
Miscellaneous Value	..	..	..	4,984
Total ..	..	25	..	94,352
IV.—Leased Forests.				
Nil.				
Total Southern Circle ..	..	21,247	..	5,08,717
Grand Total in Bengal ..	..	36,232	..	6,19,950

or utilized

By free grants.		By right-holders.		Total.		Remarks.
Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
6	7	8	9	10	11	
	Rs.		Rs.		Rs.	12
..	..	..	..	44,970	239	
..	..	..	..	100	3	
..	18,000	..	..	..	19,903	
..	..	..	..	..	571	
..	..	..	..	..	1,561	
..	18,000	..	..	..	22,277	
..	..	..	..	10,818,126	62,526	
..	..	..	..	204,451	2,466	
..	..	..	..	83,280	1,767	
..	..	..	..	20	30	
..	..	..	..	..	22,520	
..	..	..	..	26	77	
..	..	..	..	90	7	
..	..	..	..	..	4,984	
..	..	..	..	..	94,377	
..	26,399	..	..	..	5,56,363	
..	27,525	..	..	..	6,83,716	

FORM No. 21,

[Paragraphs 34-47.]

Account of timber and other produce cut or collected by Government Agency and brought to depots, sold locally or otherwise disposed of, during the year 1945-46.

Name of Division.	Balance at commencement of the year in forests and sale depôts.	Received during the year	Total.	Disposed of during the year.	Balance in hand at close of the year in forests and sale depôts.
1	2	3	4	5	6
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
NORTHERN CIRCLE.					
Timber.					
Darjeeling	814	4,946	5,760	5,056	704
Kalimpong	9,992	31,546	41,538	33,614	7,924
Kurseong	373,587	682,823	1,056,410	788,498	267,912
Jalpaiguri	156,502	74,288	230,790	156,986	73,804
Buxa	70,762	170,648	241,410	200,550	40,860
Total ..	611,657	964,251	1,575,908	1,184,704	391,204
Fuel.					
Darjeeling	2,378	61,753	64,131	57,472	6,659
Kalimpong	12,071	8,512	20,583	16,540	4,043
Kurseong	141,842	251,289	393,131	269,614	123,517
Jalpaiguri	243,234	428,517	671,751	658,776	12,975
Buxa	23,839	152,386	176,225	161,665	14,560
Total ..	423,364	902,457	1,325,821	1,164,067	161,754
Bamboos.					
	Nos.	Nos.	Nos.	Nos.	Nos.
Darjeeling .. ..	..	400	400	400	..
Kalimpong .. ..	..	..	..	..	..
Kurseong .. ..	..	30	30	30	..
Jalpaiguri	5	1,075	1,080	1,075	5
Buxa	100	6,806	6,906	6,904	2
Total ..	105	8,311	8,416	8,409	7
Minor produce.					
	Rs.	Rs.	Rs.	Rs.	Rs.
Darjeeling .. ..	..	3,971	3,971	3,971	..
Kalimpong	10	50	60	60	..
Kurseong	518	207	725	595	130
Jalpaiguri	3	7,857	7,860	7,715	145
Buxa	1,310	2,378	3,688	2,538	1,150
Total ..	1,841	14,463	16,304	14,879	1,425

Name of Division.	Balance at commence- ment of the year in forests and sale depôts.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forests and sale depôts.
1	2	3	4	5	6
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
SOUTHERN CIRCLE.					
Timber.					
Sundarbans	243,144	704,565	947,709	941,089	6,620
Chittagong	7,227	41,000	48,227	45,023	3,204
Chittagong Hill Tracts	140,973	81,848	222,821	160,220	62,562
Dacca-Mymensingh	191	3,185	3,376	3,108	268
Total	391,535	830,598	1,222,133	1,149,440	72,654
Fuel.					
Sundarbans	1,291	4,883	6,174	6,068	106
Chittagong	6,395	31,012	37,407	37,022	385
Chittagong Hill Tracts	11,762	41,129	52,891	43,133	9,758
Dacca-Mymensingh	538	9,096	9,634	3,945	5,689
Total	19,986	86,120	106,106	90,168	15,938
Bamboos.					
	Nos.	Nos.	Nos.	Nos.	Nos.
Chittagong	2,750	27,243	29,993	26,460	3,533
Chittagong Hill Tracts.	14,800	152,053	166,853	160,808	6,045
Total	17,550	179,296	196,846	187,268	9,578
Minor produce.					
	Rs.	Rs.	Rs.	Rs.	Rs.
Sundarbans	2	1,502	1,504	1,466	38
Chittagong	431	906	1,337	896	441
Chittagong Hill Tracts	176	270	446	208	238
Total	609	2,678	3,287	2,570	717

FORM No. 22.

[Paragraphs 34-47.]

Abstract showing the value of Timber and other Produce at Sale Depots for the year 1945-46.

Description of timber and other produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
	No.	C. ft.	Value.	No.	C. ft.	Value.	In favour of the year.	Against the year.
1	2	3	4	5	6	7	8	9
NORTHERN CIRCLE.			Rs.			Rs.	Rs.	Rs.
Timber.								
(1) Timber in round ..	50,281	530,645	5,67,392	31,937	291,632	3,13,793	..	2,53,599
(2) Sleepers ..	3,583	6,647	17,705	9,207	11,094	15,529	..	2,176
(3) Sawn timber other than Sleepers ..	73,297	74,365	1,38,374	126,045	88,478	1,73,774	35,400	..
Total ..	127,161	611,657	7,23,471	167,789	391,204	5,03,096	..	2,20,375
Fuel.								
Firewood and charcoal ..	..	423,364	26,045	..	161,754	20,986	..	5,059
Bamboos ..	105	..	7	7	..	1	..	6
Minor produce ..	..	..	1,841	..	..	1,425	..	416
Total Northern Circle ..	..	..	7,51,364	..	..	5,25,508	..	2,25,856 (a)
SOUTHERN CIRCLE.								
Timber.								
(1) Timber in round ..	164,936	374,078	4,10,299	4,507	68,103	27,362	..	3,82,937
(2) Sleepers ..	2,004	4,556	4,556	..	..	..	..	4,556
(3) Sawn timber other than Sleepers ..	12,802	12,721	22,152	7,200	4,581	12,149	..	10,003
Total ..	179,802	391,355	4,37,007	11,707	72,684	39,511	..	3,97,496
Fuel.								
Firewood and charcoal ..	..	19,986	2,352	..	15,938	2,473	121	..
Bamboos ..	17,500	..	103	9,578	..	56	..	47
Minor produce ..	..	..	511*	..	..	717	206	..
Total Southern Circle ..	..	..	4,39,973	..	..	42,757	..	3,97,216 (b)
Grand Total in Bengal ..	..	..	11,91,337	..	..	5,68,265	..	6,23,072 (c)

*Corrected figure.

(a) Net difference against the year in the Northern Circle, Rs. 2,26,735.

(b) Net difference against the year in the Southern Circle, Rs. 3,97,216.

(c) Net difference against the year in Bengal, Rs. 6,23,072.

FORM No. 23.

[Paragraphs 48-50.]

Abstract showing the value of Live and Dead-Stock for the year 1945-46.

Description of live and dead-stock.	On hand at commencement of the year.		On hand at close of the year.		Difference in value.	
	No.	Value.	No.	Value.	In favour of the year.	Against the year.
1	2	3	4	5	6	7
DEVELOPMENT CIRCLE.		Rs.		Rs.	Rs.	Rs.
Dead-Stock.						
Stores (Mathematical) ..	342	4,392	355	4,498	106	..
Furniture	496	8,148	594	9,144	998	..
Tents with accessories ..	22	1,716	22	1,716	..	..
Miscellaneous	570	3,304	610	4,068	764	..
Total Development Circle	..	17,500*	..	19,426	(a) 1,866	..
NORTHERN CIRCLE.						
Live-Stock.						
Elephants	11	44,950	11	66,450	21,500	..
Dead-Stock.						
Buildings	1,365	4,78,840	1,404	5,24,950	46,110	..
Stores (Mathematical)	1,378	7,571	1,284	7,779	208	..
Furniture	8,850	36,521	9,027	40,582	4,061	..
Tents	11	1,022	11	1,022	..	..
Miscellaneous	16,848	1,20,195	16,229	1,26,836	6,641	..
Total Dead Stock	28,452	6,44,149	27,955	7,01,169	57,020	..
Total Northern Circle	..	6,80,099	..	7,67,619	(b) 78,520	..
SOUTHERN CIRCLE.						
Live-Stock.						
Elephants	6	11,316	11	25,670	14,354	..
Dead-Stock.						
Buildings	1,139	3,07,709	1,152	3,22,274	14,565	..
Stores (Mathematical)	1,772	10,491	1,827	12,034	1,543	..
Stores (Ordnance) ..	384	7,627	378	7,507	..	120
Furniture	6,818	33,094	7,003	36,409	3,315	..
Tents	14	1,042	12	1,042	..	..
Boats	648	1,65,667	643	1,66,159	492	..
Steam Launches	3	1,61,876	3	1,61,876	..	..
Motor Launches	6	99,200	6	99,200	..	..
Flats	1	35,258	1	35,258	..	..
Miscellaneous	15,284	62,222	15,515	67,024	4,802	..
Total Dead-Stock	26,069	8,84,186	26,540	9,08,783	24,597	..
Total Southern Circle	..	8,95,502	..	9,34,453	(c) 38,951	..
Grand Total, Bengal	..	16,02,161	..	17,21,498	(d) 1,19,337	..

*Corrected figure.

(a) Net difference in favour of the year in the Development Circle.

(b) Net difference in favour of the year in the Northern Circle.

(c) Net difference in favour of the year in the Southern Circle.

(d) Net difference in favour of the year in Bengal.

Annual Statement of Revenue of the Forest

Budget heads.	Darjeeling.	Kalimpong.	Kurseong.	Dircection. (N. and S.).	Buxa.	Jalpauri.	Silvicultural.	Working plans.
1	2	3	4	5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
X—FOREST.								
Revenue.								
I.—Timber and other produce removed from the Forest by Government Agency—								
(a) Timber ..	4,108	49,163	11,61,034	..	1,05,367	2,68,831	..	..
(b) Firewood and charcoal.	9,340	2,407	1,01,346	..	22,411	56,710	..	..
(c) Bamboos ..	..	..	..	..	214	..	..	..
(d) Grass and other minor produce.	4,102	43	730	..	1,059	3,800	..	..
(e) Sandal-wood ..	..	..	..	..	..	..	..	..
Total I ..	17,640	51,613	12,63,110	..	1,89,051	3,29,341	..	..
II.—Timber and other produce removed from the forests by consumers or purchasers—								
(a) Timber ..	78,763	83,370	13,340	..	3,75,534	6,74,573	..	..
(b) Firewood and charcoal.	68,263	38,273	26,798	..	68,858	1,69,713	..	..
(c) Bamboos ..	2,979	3,819	613	..	1,286	1,461	..	..
(d) Grazing and fodder grass.	8,998	6,012	1,906	..	1,005	1,648	..	..
(e) Other minor produce	11,047	4,899	4,761	..	41,998	11,402	..	..
(f) Communication fees	..	..	..	..	..	..	..	..
(g) Other items ..	..	..	..	..	..	..	..	..
Total II ..	1,70,050	1,36,373	47,418	..	4,88,681	8,58,797	..	..
III.—Drift and waif wood and confiscated forest produce.	..	16	..	..	1,323	4,040	..	..
IV.—Revenue from forests not managed by Government—								
(a) Duty on foreign timber and other forest produce.	..	..	..	..	..	..	..	..
(b) Revenue from shared and private forests.	..	..	..	..	..	..	..	..
Total IV ..	..	..	..	..	..	..	..	..
V.—Miscellaneous—								
(a) Fines and forfeitures	398	521	570	..	950	..	..	..
(b) Other sources ..	19,379	15,640	5,082	224	18,236	96,148	121	2
(c) Receipts (including rent) realised from works.	636	1,442	775	..	806	1,049	..	..
(d) Sale of Forest produce purchased from trade.	29,707	..	..	..	35,876	18,889	..	..
Total V ..	50,120	17,603	6,436	224	55,877	1,16,086	121	2
VI.—Receipt in England	..	..	..	..	..	..	..	..
VII.—Loss or Gain by Exchange.	..	..	..	..	..	..	..	..
VIII.—Deduct—Refund	350	17	20	..	6	20,969	..	..
Total X—Forest ..	2,37,469	2,05,588	13,16,944	224	7,34,926	12,87,295	121	2
Total, Expenditure ..	2,29,488	1,98,082	8,26,542	2,32,838	4,61,471	3,97,307	44,586	49,962
Surplus ..	7,981	7,506	4,90,402	..	2,73,455	8,89,988	..	..
Deficit ..	..	..	..	2,32,614	..	..	44,465	49,960

NO. 24.

Department, Bengal, for the year 1945-46.

Utilisa- tion.	B. F. School.	Total Northern Circle.	Chitta- gong Hill Tracts.	Chitta- gong.	Dacca- Mymen- sing.	Sundar- bans.	General Direc- tion.	West Bengal.	Total Southern Circle.	Grand Total.
10	11	12	13	14	15	16	17	18	19	20
..	..	16,48,508	2,53,950	33	310	10,01,262	..	..	12,55,555	20,04,148
..	..	1,02,223	5,140	2,276	432	2,918	..	..	10,766	2,02,989
..	..	214	17,252	..	..	..	..	..	17,252	17,466
..	..	9,734	107	..	25	850	..	..	1,042	10,776
..
..	..	18,50,764	2,76,509	2,309	767	10,05,030	..	..	12,84,615	31,35,379
..	..	12,25,580	1,59,476	2,87,999	6,86,600	7,40,871	..	..	18,74,946	31,00,526
..	..	3,71,905	6,000	63,711	2,54,913	1,83,752	..	..	5,08,376	8,80,281
..	..	10,158	92,006	93,367	52	21,355	..	..	2,07,680	2,17,838
..	..	19,569	..	6,030	..	4	..	..	6,034	25,003
..	..	74,107	25,095	22,751	5,075	2,08,438	..	..	2,61,359	3,35,466
..	..	..	..	40,255	..	..	..	..	40,255	40,255
..	..	..	13	..	..	..	..	..	13	13
..	..	17,01,319	2,83,490	5,14,113	9,46,640	11,54,420	..	..	28,98,663	45,99,082
..	..	5,379	..	6,249	447	1,393	..	..	9,230	14,609
..
..
..
230	3,670	2,457	829	50	3,463	..	..	..	4,342	6,799
1,746	213	1,58,732	8,600	27,244	17,697	1,15,243	9	64	1,68,857	3,27,589
..	..	6,667	9,069	1,305	..	1,963	..	..	4,337	1,10,004
25,003	..	1,00,475	40,700	3,93,638	2,540	..	..	..	4,36,887	5,46,362
26,979	3,883	2,77,331	51,207	4,22,237	23,700	1,17,206	9	64	6,14,423	8,91,754
..
..	1,326	22,688	45,048	583	4,08,677	1,255	20	..	4,55,583	4,78,271
26,979	2,557	38,12,105	5,67,208	9,44,325	5,62,878	22,76,794	11	64	43,51,348	81,63,453
63,227	45,379	25,48,882	3,15,147	4,02,796	1,90,468	8,80,122	1,22,790	21,238	19,32,561	44,81,448
..	..	12,63,223	2,52,151	5,41,529	3,72,410	13,96,672	..	..	24,18,787	36,82,010
36,248	42,822	..	..	..	..	..	1,22,801	21,174	..	..

Annual Statement of Expenditure of the

Budget heads.	Darjee- ling.	Kalim- pong.	Kurse- ong.	Direc- tion (N.).	Buxa.	Jalpal- guri.	Silvi- cultural.	Work- ing plans.	Utilisa- tion.
1	2	3	4	5	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
10—FOREST (Expenditure)									
A—Conservancy and Works									
I.—Timber and other pro- duce removed from the forest by Government Agency—									
(a) Timber .. { C ..	..	..	..	..	..	..	..	..	..
.. { V ..	2,868	39,426	5,27,216	..	70,002	87,096	..	..	..
(b) Firewood and charcoal. { C ..	..	..	..	..	..	..	..	..	..
.. { V ..	8,945	1,773	77,540	..	16,600	23,414	..	..	..
(c) Bamboos .. { C ..	..	..	..	..	..	..	..	..	..
.. { V ..	..	28	2	..	100	..	..	..	..
(d) Grass and other minor produce. { C ..	..	..	..	..	..	..	..	..	..
.. { V ..	711	13	907	..	110	42	..	..	..
(e) Sandal-wood { C ..	..	..	..	..	..	..	..	..	..
.. { V ..	..	..	..	..	..	..	..	..	..
(f) Customs duty on imported stores. { C ..	..	..	..	..	..	..	..	..	..
.. { V ..	..	..	..	..	..	..	..	..	..
Total I .. { C ..	..	..	..	..	..	..	..	..	..
.. { V ..	12,624	41,240	6,05,665	..	86,812	1,10,562	..	..	..
II.—Timber and other produce re- moved from the forests by consu- mers and purchasers. { C ..	..	..	..	..	..	..	..	..	..
.. { V ..	3,174	4,082	74	..	9,000	17,775	..	..	..
(a) Customs duty on imported stores. { C ..	..	..	..	..	..	..	..	..	..
.. { V ..	..	..	..	..	..	..	..	..	..
Total II .. { C ..	..	..	..	..	..	..	..	..	..
.. { V ..	3,174	4,082	74	..	9,000	17,775	..	..	..

Forest, Department, Bengal, for the year 1945-46.

B. F. School.	Total Northern Circle.		Chittagong. Hill Tracts.	Chittagong.	Dacca-Mymensingh.	Sundarbans.	General Direction	Total Southern Circle.		Grand Total.	
	Charged.	Voted.						Charged.	Voted.	Charged.	Voted.
11	12	13	14	15	16	17	18	19	20	21	22
..	69,001	..	..	..	..	69,001	..	69,001	..
..	..	7,26,608	..	..	..	3,47,281	..	..	3,47,281	..	10,73,889
..	5,604	..	..	..	..	5,604	..	5,604	..
..	..	1,29,272	..	1,749	697	..	..	..	2,446	..	1,30,718
..	15,175	..	..	..	..	15,175	..	15,175	..
..	..	130	..	..	..	..	..	..	..	..	130
..	30	..	..	..	..	30	..	30	..
..	..	1,783	..	..	..	..	..	..	..	..	1,783
..
..
..
..
..	89,810	..	..	..	..	89,810	..	89,810	..
..	..	8,56,793	..	1,749	697	3,47,281	..	..	3,49,727	..	12,06,520
..	11,650	740	..	..	..	12,390	..	12,390	..
..	..	34,105	..	9,511	7,547	3,10,966	..	..	3,28,024	..	3,62,129
..
..
..	11,650	740	..	..	..	12,390	..	12,390	..
..	..	34,105	..	9,511	7,547	3,10,966	..	..	3,28,024	..	3,62,129

Budget heads.	Dar- jeeling.	Kalim- pong.	Kur- seong.	Direc- tion (N.).	Buxa.	Jalpai- guri.	Silvi- cultural.	Work- ing plans.	Uti- lisa- tion.
1	2	3	4	5	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
10—FOREST (Expenditure)— <i>contd.</i>									
A—Conservancy and Works—<i>contd.</i>									
III.—Constructions, Purchase, Maintenance, Repairs, etc.—									
(a) Cattle .. { C .. .. .	..	..	..	..	..	..	..	..	..
.. { V .. .. .	..	..	..	..	..	..	..	..	..
(b) Feed and keep of cattle. { C .. .. .	..	..	..	..	..	..	..	..	..
.. { V .. 981 1,788 .. 5,930 3,000 .. .. .	..	981	1,788	..	5,930	3,000	..	..	..
(c) Stores, tools and plant. { C .. .. .	..	..	..	..	..	..	..	..	..
.. { V 8,593 1,500 1,075 1,352 4,826 1,574 660 354 154	8,593	1,500	1,075	1,352	4,826	1,574	660	354	154
(d) Roads and bridges. { C .. .. .	..	..	..	..	..	..	..	..	..
.. { V 39,042 11,822 34,497 .. 32,301 23,500	39,042	11,822	34,497	..	32,301	23,500	..	..	..
(e) Buildings .. { C .. .. .	..	..	..	..	..	..	..	..	..
.. { V 16,337 21,829 12,877 .. 72,718 36,717	16,337	21,829	12,877	..	72,718	36,717	..	..	..
(f) Other works { C .. .. .	..	..	..	..	..	..	..	..	..
.. { V 1,618 850 1,998 .. 10,951 5,270	1,618	850	1,998	..	10,951	5,270	..	..	..
(g) Customs duty on imported stores. { C .. .. .	..	..	..	..	..	..	..	..	..
.. { V .. .. .	..	..	..	..	..	..	..	..	..
(h) Compensation for land and rights. { C .. .. .	..	..	..	..	..	..	..	..	..
.. { V .. .. .	..	..	..	..	..	..	..	..	..
Total III .. { C .. .. .	..	..	..	..	..	..	..	..	..
.. { V 65,590 36,982 52,235 1,352 1,26,726 70,061 660 354 154	65,590	36,982	52,235	1,352	1,26,726	70,061	660	354	154
IV.—Conservancy and Regeneration —									
(a) Maintenance of boundaries. { C .. .. .	..	..	..	..	..	..	..	..	..
.. { V 724 1,462 1,150 .. 2,530 2,000	724	1,462	1,150	..	2,530	2,000	..	..	..
(b) Regeneration { C .. .. .	..	..	..	..	..	..	..	..	..
.. { V 15,400 12,013 24,013 .. 27,850 15,000 3,703	15,400	12,013	24,013	..	27,850	15,000	3,703	..	..
(c) Fire protection { C .. .. .	..	..	..	..	..	..	..	..	..
.. { V 2,550 1,324 2,260 .. 2,002 1,350	2,550	1,324	2,260	..	2,002	1,350	..	..	..
(d) Other works { C .. .. .	..	..	..	..	..	..	..	..	..
.. { V 1,092 9,941 3,950 .. 22,248 21,000	1,092	9,941	3,950	..	22,248	21,000	..	..	..
(e) Surveys .. { C .. .. .	..	..	..	..	..	..	..	..	..
.. { V .. .. .	..	..	..	..	..	..	..	..	..
(f) Customs duty on imported stores. { C .. .. .	..	..	..	..	..	..	..	..	..
.. { V .. .. .	..	..	..	..	..	..	..	..	..
(g) Compensation for land and rights. { C .. .. .	..	..	..	..	..	..	..	..	..
.. { V .. .. .	..	..	..	..	..	..	..	..	..
Total IV .. { C .. .. .	..	..	..	..	..	..	..	..	..
.. { V 19,775 24,740 31,373 .. 54,630 39,950 3,795	19,775	24,740	31,373	..	54,630	39,950	3,795	..	..

7

Budget heads.	Dar- jeeling.	Kalim- pong.	Kur- seong.	Direc- tion (N.).	Buxa.	Jalpat- guri.	Silvi- cul- tural.	Work- ing plans.	Uti- lisa- tion.
1	2	3	4	5	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
0—FOREST (Expenditure) <i>—concd.</i>									
A.—Conservancy and Works <i>—concd.</i>									
V.—Miscellaneous—									
(a) Drift and waif wood and confiscated forest produce. { C V .. .. .	..	..	..	..	..	..	..	..	..
(b) Revenue from forest not managed by Government leased. { C V .. .. .	..	..	..	..	..	..	..	..	..
(c) Rent of forests and payments to share-holders in forests managed by Government. { C V .. .. .	..	..	..	..	..	..	..	..	..
(d) Law charges { C V .. .. .	..	..	..	..	..	..	..	..	..
(e) Dearness allowance. { C V .. .. .	..	..	..	..	..	..	..	..	..
(f) Clothing .. { C V 1,219 1,253 2,404 7,013 3,908 2,601 102 48 194	1,219	1,253	2,404	7,013	3,908	2,601	102	48	194
(g) Other charges { C V 39 263 502 .. 1,217 316 1,708 10 ..	39	263	502	..	1,217	316	1,708	10	..
(h) Working plans { C V 181 102 374 .. 210 340 1,522 2,339 ..	181	102	374	..	210	340	1,522	2,339	..
(i) Purchase of forest produce from trade or from purchasers of standing trees. { C V 1,20,953 52,621 29,114 .. 7,10,453 10,86,307 2,43,050	1,20,953	52,621	29,114	..	7,10,453	10,86,307	..	..	2,43,050
Total V .. { C V 1,22,392 54,230 32,394 7,074 7,15,791 10,89,567 3,332 2,397 2,43,244	1,22,392	54,230	32,394	7,074	7,15,791	10,89,567	3,332	2,397	2,43,244
VI.—Suspense—									
Work advance .. { C V 175	175	..	..	..	..	..	..	..	..
VII.—Charges on account of Bengal Forest School. { C V .. .. .	..	..	..	..	..	..	..	..	..
Deduct—Amount recoverable from other Governments, Department, etc. { C V 1,02,371 52,621 29,113 .. 7,10,362 10,68,876 2,36,798	1,02,371	52,621	29,113	..	7,10,362	10,68,876	..	..	2,36,798
Total A.—Conservancy and Works. { C V 1,20,900 1,08,602 6,02,628 8,426 2,82,507 2,50,029 7,787 2,751 6,600	1,20,900	1,08,602	6,02,628	8,426	2,82,507	2,50,029	7,787	2,751	6,600

B. F. School.	Total Northern Circle.	Chittagong Hill Tracts.	Chittagong.	Dacca- Mymen- singh.	Sundar- bans.	General Direc- tions	West Bengal.	Total Southern Circle.		Grand Total.	
								Charged.	Voted.	Charged.	Voted.
11	12	13	14	15	16	17	18	19	20	21	22
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
..	..	387	..	..	..	..	..	387	..	387	..
..	..	..	..	116	..	..	..	..	116	..	116
..
..
..
..	..	..	..	41,380	..	..	..	..	41,380	..	41,380
..
..	6	..	670	246	39	..	..	..	955	..	961
..
..	..	..	50	..	17,003	..	..	..	17,053	..	17,053
..	..	1,163	..	..	..	..	..	1,163	..	1,163	..
506	10,300	..	4,924	1,977	3,568	949	252	..	9,772	..	29,081
..	..	632	..	..	..	..	..	632	..	632	..
420	4,475	..	295	101	359	..	142	..	897	..	5,372
..	..	10	..	..	..	..	..	10	..	10	..
..	5,068	..	..	119	..	..	..	..	119	..	5,187
..	..	4,36,272	76	..	..	..	..	4,36,348	..	4,36,348	..
..	22,42,498	..	18,06,749	11,707	23,701	..	..	..	18,42,157	..	40,84,655
..	..	4,38,464	76	..	..	..	..	4,38,540	..	4,38,540	..
926	22,71,356	..	18,12,688	55,046	45,270	949	304	..	19,13,049	..	41,84,405
..
..	175	..	2,056	..	..	..	..	..	2,056	..	1,881
..
..
..	..	3,00,858	..	..	..	..	..	3,00,858	..	3,00,858	..
..	22,00,141	..	18,03,452	11,707	23,701	..	..	..	18,38,800	..	40,39,001
..	..	2,12,651	1,036	..	..	..	..	2,13,687	..	2,13,687	..
6,526	14,95,915	..	1,12,153	84,652	7,01,502	949	8,554	..	9,05,912	..	24,01,827

Budget heads.	Darjeeling.	Kalmpong.	Kurseong.	Dirang (N. and S.)	Buxa.	Jalpauri.	Silvicultural.	Working plans.	Utilisation.
1	2	3	4	5	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
10—FOREST (Expenditure) — <i>contd.</i>									
B—Establishment.									
1.—Pay of Officers—									
(a) Conservators .. { C 70,303 395	..	..	..	70,303	..	..	..	..	395
.. { V .. .. .	..	..	..	..	..	..	..	..	..
(b) Superior Officers { C 15,772 .. 13,488 3,346 .. 1,340 6,999 16,741 18,049	15,772	..	13,488	3,346	..	1,340	6,999	16,741	18,049
.. { V 1,251 12,000 6,764 11,123 10,657 19,425 .. 6,400 6,894	1,251	12,000	6,764	11,123	10,657	19,425	..	6,400	6,894
(c) Pay of recruits of the Imperial Forest Service. { C .. .. .	..	..	..	..	..	..	..	..	..
.. { V .. .. .	..	..	..	..	..	..	..	..	..
(d) Provision for temporary Forest Officers. { C .. .. .	..	..	..	..	..	..	..	..	..
.. { V .. .. .	..	..	..	..	..	..	..	..	..
Deduct—Recoveries on account of allotment of pay of officers—Charged.	..	..	..	4,816	..	..	..	..	..
Total 1 .. { C 15,772 .. 13,488 74,833 .. 1,340 6,999 16,741 18,444	15,772	..	13,488	74,833	..	1,340	6,999	16,741	18,444
.. { V 1,251 12,000 6,764 11,123 10,657 19,425 .. 6,400 6,894	1,251	12,000	6,764	11,123	10,657	19,425	..	6,400	6,894
2—Pay of Establishment—									
(a) Subordinate Forest and Depot Establishment. { C .. .. .	..	..	..	..	..	..	..	..	..
.. { V 24,287 20,668 32,865 473 48,180 31,337 5,325 2,953 1,072	24,287	20,668	32,865	473	48,180	31,337	5,325	2,953	1,072
(b) Office establishment. { C .. .. .	..	..	..	..	..	..	..	..	..
.. { V 4,805 4,451 6,512 20,818 8,077 6,919 1,833 2,307 2,756	4,805	4,451	6,512	20,818	8,077	6,919	1,833	2,307	2,756
(c) Temporary establishment. { C .. .. .	..	..	..	..	..	..	..	..	..
.. { V 5,800 4,004 4,510 13,302 12,253 8,078 608 9 6,470	5,800	4,004	4,510	13,302	12,253	8,078	608	9	6,470
(d) Leave allowance { C .. .. .	..	..	..	..	..	..	..	..	..
.. { V 1,790 1,574 2,814 3,630 5,244 1,914 946 1,050 461	1,790	1,574	2,814	3,630	5,244	1,914	946	1,050	461
(e) Sub-Assistant Surgeon. { C .. .. .	..	..	..	..	..	..	..	..	..
.. { V 1,414 .. .. .	..	..	..	..	1,414	..	..	..	..
(f) Extra cost in leave vacancies. { C .. .. .	..	..	..	..	..	..	..	..	..
.. { V 117 96 195 .. 95 62 17 133 ..	117	96	195	..	95	62	17	133	..
(g) Temporary establishment for Central Government Timber Depots { C .. .. .	..	..	..	..	..	..	..	..	..
.. { V .. 1,072 7,611 .. 8,110 7,033 208	..	1,072	7,611	..	8,110	7,033	..	..	208
Total 2 .. { C .. .. .	..	..	..	..	..	..	..	..	..
.. { V 36,799 31,865 54,507 38,313 83,982 55,343 8,789 6,452 11,567	36,799	31,865	54,507	38,313	83,982	55,343	8,789	6,452	11,567

B. F. School.	Total Northern Circle.		Chittagong Hill Tracts.	Chittagong.	Dacca- Mymen- singh.	Sundar- bans.	General Direc- tion	West Ben- gal.	Total Southern Circle.		Grand Total.	
	Charged. 12	Voted. 13							Charged. 20	Voted. 21	Charged. 22	Voted. 23
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
..	70,608	..	..	..	..	..	42,688	..	42,688	..	1,10,386	..
..
..	75,735	..	9,780	12,834	13,488	..	1,097	4,866	39,871	..	1,15,606	..
7,950	..	82,464	..	16,280	..	19,085	5,687	..	..	41,061	..	1,23,525
..
..
..
..
..	4,816	..	..	..	..	..	..	..	..	..	4,816	..
..	147617	..	9,780	12,834	13,488	..	41,591	1,866	82,559	..	2,30,176	..
7,950	..	82,464	..	16,280	..	19,085	5,687	..	..	41,061	..	1,23,525
..	23,822	593	..	..	..	..	24,415	..	24,415	..
2,019	..	1,69,788	..	63,964	13,629	60,462	1,451	..	..	1,39,506	..	3,09,294
..	5,439	..	..	..	..	..	5,439	..	5,439	..
848	..	59,926	..	10,263	3,575	11,623	4,763	..	..	30,224	..	90,150
..	4,981	181	..	..	..	..	5,162	..	5,162	..
..	..	55,184	..	22,331	21,576	5,190	3,759	2,230	..	55,095	..	1,10,279
..	2,797	12	..	..	..	..	2,809	..	2,809	..
..	..	19,423	..	6,848	435	6,784	1,212	..	..	15,279	..	34,702
..	120	..	..	..	..	..	120	..	120	..
..	..	1,414	..	..	..	..	..	..	..	..	..	1,414
..	853	..	..	..	..	..	853	..	853	..
..	..	715	..	89	..	32	88	..	..	209	..	924
..	819	..	..	..	..	..	819	..	819	..
..	..	24,034	..	5,930	..	2,617	..	..	..	8,547	..	32,581
..	38,831	786	..	..	..	..	39,617	..	39,617	..
2,867	..	3,30,484	..	1,09,425	39,215	86,708	11,273	2,239	..	2,48,860	..	5,70,344

Budget heads.	Darjee- ling.	Kalm- pong.	Kur- seong.	Direc- tion (N.).	Buxa.	Jalp- guri.	Silvicol- tural.	Work- ing plans.	Utili- sation.
1	2	3	4	5	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
10—FOREST (Expenditure) — <i>contd.</i>									
B—Establishment—<i>contd.</i>									
3.—Allowances and hono- raria—									
(a) Travelling allow- ance. { C	2,386	..	3,416	12,465	..	08	1,320	3,819	611
{ V	14,310	14,026	18,679	9,368	34,417	22,876	4,781	3,176	818
(b) Other allowances { C	..	..	..	5	..	..	..	228	3,168
{ V	2,160	1,076	3,193	13,594	1,170	429	781	761	837
(c) Cost of passage, etc. { C	..	..	..	2,065	..	1,040	085	..	..
{ V	..	..	..	..	..	..	..	..	..
(d) Dearness allow- ances. { C	3,232	..	2,834	5,843	..	..	1,896	3,362	3,191
{ V	28,762	26,778	31,702	16,881	50,790	38,247	3,996	4,010	7,027
(e) Allowances to tem- porary staff for Central Govern- ment Timber Depots. { C	..	..	..	..	..	..	..	..	..
{ V	..	1,192	5,574	..	4,059	6,638	..	..	..
(f) War allowance to the Secretary of State's officers. { C	..	..	..	..	..	..	..	..	..
{ V	..	..	..	..	..	..	..	..	..
Total { C	5,618	..	6,250	20,378	..	1,108	4,201	7,409	6,970
{ V	45,232	44,872	59,148	39,843	91,036	68,190	9,558	7,947	9,282
4.—Contingencies —									
(a) Stationery { C	..	..	..	..	..	..	..	..	..
{ V	15	6	49	115	757	60	9	..	6
(b) Carriage of tents and records. { C	..	..	..	..	..	..	..	..	..
{ V	73	20	19	1,928	75	50	6,322	1,583	200
(c) Rents, rates and taxes. { C	..	..	..	..	..	..	..	..	..
{ V	447	109	727	5,115	33	2,170	150	..	907
(d) Official postage { C	..	..	..	..	..	..	..	..	..
{ V	927	1,000	2,099	2,927	2,200	2,700	315	190	1,761
(e) Sundries { C	..	..	..	..	..	..	..	..	..
{ V	1,988	1,785	3,981	7,732	4,540	4,708	360	474	787
(f) Purchase of books { C	..	..	..	..	..	..	..	..	..
{ V	25	27	67	331	31	80	96	15	17
(g) Contingencies for the temporary staff of Central Govern- ment Timber Depots. { C	..	..	..	..	..	..	..	..	..
{ V	..	3	1,821	..	671	1,404	..	..	31
Total { C	..	..	..	..	..	..	..	..	..
{ V	3,475	2,950	8,763	18,148	8,307	11,227	7,252	2,262	3,709

B. F. School.	Total Northern Circle.		Chittagong Hill Tracts.	Chittagong.	Dacca-Mymensingh.	Sundarbans.	General Division.	West Bengal.	Total Southern Circle.		Grand Total.	
	Charged.	Voted.							Charged.	Voted.	Charged.	Voted.
11	12	13	14	15	16	17	18	19	20	21	22	23
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
..	24,085	..	12,538	2,142	1,990	..	2,120	795	19,594	..	43,679	..
9,700	..	1,33,111	..	34,416	9,091	7,192	5,916	1,506	..	58,121	..	1,91,232
..	3,401	..	3,367	..	139	..	..	..	3,506	..	6,907	..
10,411	..	35,312	..	5	..	8,507	1,106	61	..	9,670	..	44,991
..	4,090	..	..	..	..	..	3,899	..	3,899	..	7,989	..
..	840	..	..	840	..	840
..	20,358	..	31,594	3,517	..	..	564	335	34,912	..	55,270	..
8,502	..	2,17,295	..	91,945	33,808	53,729	5,114	1,165	..	1,85,761	..	4,03,056
..	857	..	..	..	..	..	857	..	857	..
..	..	18,063	..	5,390	..	2,432	..	..	..	7,822	..	25,885
..	2,328	..	..	..	2,800	..	2,800	..
..	172	..	..	..	..
..	51,934	..	48,356	5,689	4,457	..	5,464	1,602	65,568	..	1,17,502	..
28,673	..	4,03,781	..	1,31,756	42,899	71,860	12,076	2,732	..	2,62,223	..	6,66,004
..	610	..	..	..	..	..	610	..	610	..
115	..	1,132	..	1,104	40	2	599	720	..	2,465	..	3,597
..	34	..	..	..	..	..	34	..	34	..
..	..	10,270	..	142	226	..	89	..	..	457	..	10,727
..	2,013	..	..	..	..	..	2,013	..	2,013	..
..	..	9,058	..	4,093	1,635	3,301	..	281	..	9,417	..	19,075
..	1,500	..	..	..	..	..	1,500	..	1,500	..
70	..	14,189	..	2,654	800	1,672	753	100	..	5,979	..	20,168
..	2,094	85	..	..	..	..	3,079	..	3,079	..
1,414	..	27,764	..	3,795	3,004	909	10,812	144	..	24,664	..	52,428
..	20	..	..	..	..	..	20	..	20	..
250	..	939	..	78	52	25	209	..	..	304	..	1,303
..	92	..	..	..	..	..	92	..	92	..
..	..	3,990	..	877	..	926	..	..	..	1,803	..	5,793
..	7,272	85	..	..	..	..	7,357	..	7,357	..
1,849	..	67,942	..	12,743	5,757	6,942	18,462	1,245	..	45,149	..	1,13,091

Budget heads.	Darjeeling.	Kalimpong.	Kurseong.	Direc- tion (N.).	Buxa.	Jalpai- guri.	Silvicult- ural.	Work- ing plans.	Utilisa- tion.
1	2	3	4	5	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
10—FOREST (EXPENDITURE)—concd.									
B—Establishment—concd.									
5—Losses. { C	..	..	..	..	..	..	..	..	..
V	2,900	..	..	..	..	..	..	..	..
6.—Grants-in-aid, contribu- tions, etc., for mapping— Contributions for passages of officers transferred from other Governments and Departments. { C	..	..	..	..	..	..	..	..	..
V	..	..	..	..	..	..	..	..	..
7.—Charges on account of Bengal Forest School. { C	..	..	..	..	..	..	..	..	..
V	..	..	..	..	..	..	..	..	..
8.—Add—Establish- ment charges payable to other Government Departments. { C	..	..	..	..	..	..	..	..	..
V	..	..	..	14,000	..	..	..	..	..
9.—Deduct—Establish- ment charges recover- able from other Govern- ment Departments. { C	..	..	..	..	..	..	..	..	..
V	2,468	2,267	15,006	..	15,108	18,355	..	..	239
Add/Deduct—Amount transferred to Southern Circle from Northern Circle.	..	..	..	..	..	..	..	..	..
Total B—Establish- ments. { C	21,390	..	19,738	95,221	..	2,448	11,200	24,150	25,414
V	87,180	80,420	1,14,176	1,21,427	1,78,874	1,35,830	25,599	23,061	31,213
C—Interest on Capital { C	..	..	..	..	..	..	..	..	..
V	..	..	..	..	..	..	..	..	..
D—Charges in England { C	..	..	..	3,644	..	..	..	..	..
(a) Leave and depu- tation salaries, etc. { V	..	..	..	2,917	..	..	..	..	..
(b) Sterling Overseas pay. { C	..	..	..	1,200	..	..	..	..	..
(c) Allotment of pay of officers. { V	..	..	..	..	..	..	..	..	..
(d) Other Charges { C	..	..	..	..	..	..	..	..	..
(e) Government scho- larship. { V	..	..	..	..	..	..	..	..	..
Total D { C	..	..	..	7,761	..	..	..	..	..
V	..	..	..	..	..	..	..	..	..
A—Conservancy and Works. { C	..	..	..	..	..	..	..	..	..
V	1,20,909	1,03,062	6,92,628	8,426	2,82,597	2,59,029	7,787	2,751	6,800
B—Establishment { C	21,390	..	19,738	95,221	..	2,448	11,200	24,150	25,414
V	87,189	88,420	1,14,176	1,21,427	1,78,874	1,35,830	25,599	23,061	31,213
C—Interest on Capital { C	..	..	..	..	..	..	..	..	..
V	..	..	..	..	..	..	..	..	..
D—Charges in England { C	..	..	..	..	..	..	..	..	..
V	..	..	..	..	..	..	..	..	..
E—Loss or gain by ex- change on Home transactions other than stores. { C	..	..	..	13	..	..	..	..	..
V	..	..	..	..	..	..	..	..	..
Total 10—Forest { C	21,390	..	19,738	1,02,985	..	2,448	11,200	24,150	25,414
V	2,08,098	1,98,082	8,06,804	1,29,853	4,61,471	3,94,850	33,386	25,812	87,813

B. F. School	Total North- ern Circle.	Chitta- gong Hill Tracts.	Chitta- gong.	Dacca- Mymen- singh.	Sundar- bans.	General Direc- tion	West Bengal.	Total Southern Circle.		Grand Total.	
								Charged.	Voted.	Charged.	Voted
11	12	13	14	15	16	17	18	19	20	21	22
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
..
..	2,900	..	..	..	..	..	..	..	..	..	2,900
..	..	25	..	..	..	..	..	25	..	25	..
..	..	..	..	..	..	1,505	..	..	1,505	..	1,505
..
..
..	14,000	..	..	..	..	15,792	..	17,500	..	17,500	14,000
..	..	1,768	..	..	..	..	..	..	..	..	..
2,486	55,929	..	..	..	5,975	354	..	..	6,329	..	62,258
..
..	1,99,551	1,02,406	19,394	17,945	..	31,263	6,468	1,77,506	..	3,77,117	..
38 53	8,45,042	..	2,70,218	87,871	1,78,620	49,549	6,216	..	5,92,469	..	14,38,111
..
..
..	3,644	..	..	..	..	20,830	..	20,830	..	24,474	..
..	..	..	..	..	..	2,233	..	..	2,233	..	2,233
..	2,917	..	..	..	..	11,422	..	11,422	..	14,339	..
..	1,20 0	..	..	..	..	3,407	..	3,407	..	4,907	..
..	..	..	..	..	..	167	..	167	..	167	..
..	..	..	..	..	..	2,329	..	..	2,329	..	2,329
..	..	..	..	..	..	2,463	..	..	2,463	..	2,463
..	7,761	..	..	..	..	35,826	..	35,826	..	43,587	..
..	..	..	..	..	..	7,025	..	..	7,025	..	7,025
..	..	2,12,051	1,036	..	..	..	..	2,13,687	..	2,13,687	..
6,526	14,95,915	1,02,058	1,12,163	84,652	7,01,502	949	8,554	9,05,912	..	3,77,117	24,01,627
..	1,99,551	..	19,394	17,945	..	31,263	6,468	1,77,506	..	..	..
38,853	8,45,042	..	2,70,213	87,871	1,78,620	49,549	6,216	..	5,92,469	..	14,38,111
..
..	7,761	..	..	..	..	35,826	..	35,826	..	43,587	..
..	..	..	..	..	..	7,025	..	..	7,025	..	7,025
..	13	..	..	..	..	63	..	63	..	76	..
..	..	..	..	..	..	13	..	..	13	..	13
..	2,07,325	8,15,147	20,430	17,945	..	87,152	6,468	4,27,142	..	6,34,467	..
45,379	23,41,557	..	3,82,366	1,72,523	3,80,122	55 638	14,770	..	15,05,419	..	38,16,976

FORM No. 26.

Revenue received and outstandings on account of revenue during 1945-46.

Budget sub-heads.		Particulars.		Outstandings at commencement of year.		Value of sales and other revenue during year.		Total.		Amount realised during year.		Balance due to the Department at end of year.	
1	2	Rs	a. p.	Rs.	a. p.	Rs.	a. p.	Rs.	a. p.	Rs.	a. p.	Rs.	a. p.
NORTHERN CIRCLE.													
R.I.a.	..	1,32,012	11 0	16,43,502	13 3	17,75,515	8 3	16,48,593	0 0	1,26,922	8 3		
R.I.b.	..	37,753	2 6	1,90,259	3 3	2,28,012	5 9	1,92,223	0 0	35,789	5 9		
R.I.c.	299	4 0	299	4 0	214	0 0	85	4 0		
R.I.d.	..	125	10 0	9,621	6 0	9,747	0 0	9,734	0 0	13	0 0		
R.II.a.	..	65,914	11 0	12,67,167	7 6	13,33,082	2 6	12,25,580	0 0	1,07,502	2 6		
R.II.b.	..	24,123	2 3	3,61,692	11 6	3,85,815	13 9	3,71,905	0 0	13,910	13 9		
R.II.c.	..	331	8 0	10,080	8 0	10,412	0 0	10,158	0 0	254	0 0		
R.II.d.	19,569	0 0	19,569	0 0	19,569	0 0	....	....
R.II.e.	..	186	5 0	74,611	11 0	74,798	0 0	74,107	0 0	691	0 0		
R.II.f.		
R.II.g.		
R.III.	..	71	2 0	5,931	11 0	6,002	13 0	5,379	0 0	623	13 0		
R.V.a.	2,457	0 0	2,457	0 0	2,457	0 0	....	....
R.V.b.	..	206	1 9	1,58,195	10 3	1,58,401	12 0	1,58,379	0 0	22	12 0		
R.V.c.	4,921	0 0	4,921	0 0	4,921	0 0	....	....
R.V.d.	84,472	0 0	84,472	0 0	84,472	0 0	....	....
		2,60,724	5 6	38,32,781	5 9	40,93,505	11 3	38,07,691	0 0	2,85,814	11 3		
R.VI.		
R.VII.		
R.VIII.		
	Total Northern Circle	2,60,724	5 6	38,10,093	5 9	40,70,817	11 3	37,85,003	0 0	2,85,814	11 3		

FORM No. 27.

[Paragraph 49.]

Outstanding and liabilities on account of Disbursers for the year 1945-46.

Division.	Department Debtor.			Department Creditor.			Balance due.		Outstanding as shown in ledger.
	Opening Balance.	Recoveries in cash or value of supplies and work done during the year.	Total.	Opening Balance.	Payment made during the year.	Total.	To department (outstanding).	By department (liabilities).	
1	2	3	4	5	6	7	8	9	10
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
NORTHERN CIRCLE.									
Darjeeling ..	..	1,59,890 4 3	1,59,890 4 3	888 5 6	1,58,971 14 9	1,59,860 4 3	(A)	30 0 0	....
Kalimpong ..	..	1,72,715 13 9	1,72,715 13 9	250 4 0	1,72,473 11 6	1,72,723 15 6	8 1 9	..	8 1 9
Kurseong ..	..	7,95,851 3 3	7,95,851 3 3	292 10 9	7,95,916 12 3	7,96,209 7 0	(B) 358 3 9	..	258 3 9
Director ..	..	4,801 7 0	4,801 7 0	606 0 0	7,097 2 0	7,703 2 0	(C) 2,901 11 0	..	530 11 0
Buxa ..	..	4,59,875 0 9	4,59,875 0 9	92 6 6	4,59,872 10 3	4,59,965 0 9	90 0 0	..	90 0 0
Jalpaiguri ..	..	7,85,214 9 0	7,85,214 9 0	105 10 3	7,85,183 11 0	7,85,289 5 3	(D) 74 12 3	..	3 1 0
Silvicultural ..	..	18,347 13 0	18,347 13 0	..	18,347 13 0	18,347 13 0	....	..	....
Working plan.	1 2 0	6,920 4 0	6,938 6 0	..	7,058 8 9	7,058 8 9	120 2 9	..	120 2 9
Utilisation ..	..	220 2 0	220 2 0	19 7 0	200 11 0	220 2 0	....	..	....
Pengal Forest School	..	2,980 0 0	2,980 0 0	1,440 0 0	2,845 0 0	4,235 0 0	1,305 0 0	..	1,305 0 0
Total Northern Circle	18 2 0	24,06,816 9 0	24,06,834 11 0	3,694 12 0	24,07,967 14 6	24,11,662 10 6	4,857 15 6	30 0 0	....

SOUTHERN CIRCLE.													
Chittagong Hill Tracts	..	6,21,285 10 0	6,21,285 10 0	90 0 0	6,21,196 1 9	6,21,286 1 9	0 7 9	..	0 7 9	..	0 7 9	..	0 7 9
Chittagong	..	22,06,148 6 3	22,06,148 6 3	142 11 0	22,07,326 9 3	22,07,469 4 3	(E)1,320 14 0	..	(E)1,320 14 0	..	1,120 14 0	..	1,120 14 0
Dacca-Mymensingh	..	1,15,432 8 9	1,15,432 8 9	130 0 0	1,15,302 12 9	1,15,432 12 9	0 4 0	..	0 4 0	..	0 4 0	..	0 4 0
Sunderbans ..	..	7,85,487 15 9	7,85,487 15 9	192 1 6	7,85,444 4 3	7,85,636 5 9	148 6 0	..	148 6 0	..	148 6 0	..	148 6 0
Direction at Calcutta	..	3,133 0 0	3,133 0 0	..	1,154 9 0	1,154 0 0	(F)....	..	1,979 0 0	..	432 0 0	..	432 0 0
West Bengal	..	2,700 10 6	2,700 10 6	..	2,870 15 6	2,870 15 6	110 5 0	..	110 5 0	..	110 5 0	..	110 5 0
Total Southern Circle	..	37,34,185 3 3	37,34,185 3 3	554 12 6	37,33,234 11 6	37,33,789 8 0	1,580 4 9	..	1,979 0 0	..	....	..	....
Grand Total	..	61,41,004 12 3	61,41,022 14 3	4,249 8 6	61,41,202 10 0	61,45,452 2 6	6,438 4 3	..	2,009 0 0	..	....	..	....

(A) Discrepancy of Rs. 30 is due to error in carrying forward the C. B. for February 1946, namely, Rs. 2,651-5 as Rs. 2,981-5 for O. B. in March 1946.

(B) Discrepancy of Rs. 100 is due to error in carrying forward the O. B. for April 1945, in the Ledger for May 1945. The O. B. for April 1945 is Rs. 202-10-9 plus the debit for April 1945 is Rs. 65,458-11-6 minus the credit for April 1945 Rs. 33,804-14-0. So the O. B. for May 1945 will be Rs. 31,896-5-3 but Rs. 31,786-5-3 was shown in the Ledger as O. B. for May 1945. This is due, presumably to the advance of Rs. 100 to Mr. N. Ahmed, Assistant Conservator of Forests having been included in Forest Advance.

(C) Discrepancy of Rs. 2,371 (2,411-4-0) is due to non-inclusion of C. B. of the Division for October 1945 as O. B. in November 1945. Rs. 40 is due to non-inclusion of the amount in December C. B. Ledger for March 1945 of the Division as already pointed out in Form 27 for 1944-45.

(D) Discrepancy of Rs. 71-11-3 is due to the following reasons:—The O. B. for March 1946 was Rs. 1,171-11-3 as shown in Ledger for March 1945. The same amount should have been the O. B. for March 1946 but wrongly Rs. 1,100 have been shown in the Ledger for March 1946.

(E) Rectified by this office in January 1946.

(F) Discrepancy of Rs. 2,411 is due to the inclusion of C. B. for Direction at Darjeeling for October 1945 as O. B. in the account of General Direction Division at Calcutta.

K. P. LAHIRI,
Assistant Accounts Officer.

